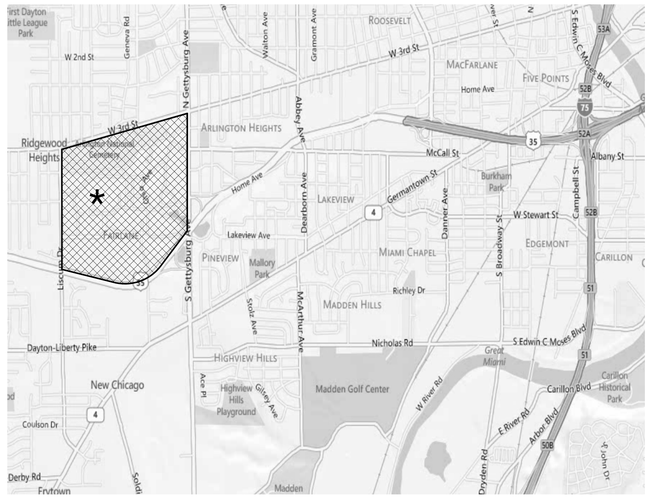
FULLY SPRINKLERED

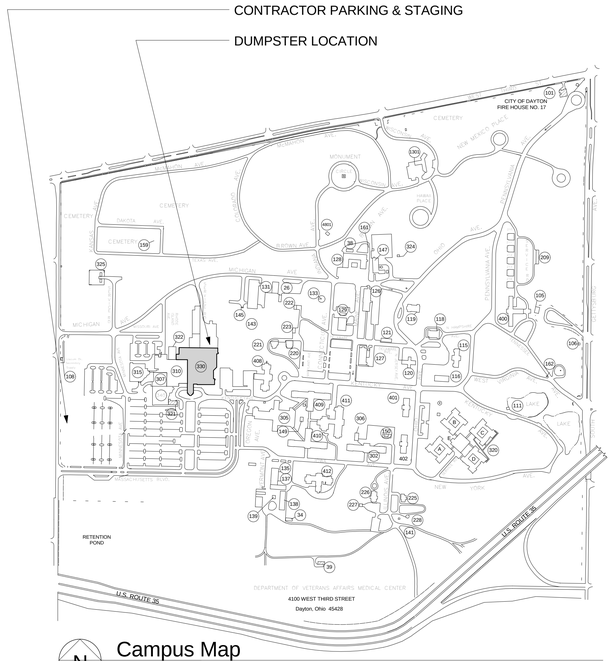
Renovate Rehab Department B330

Department of Veterans Affairs Medical Center

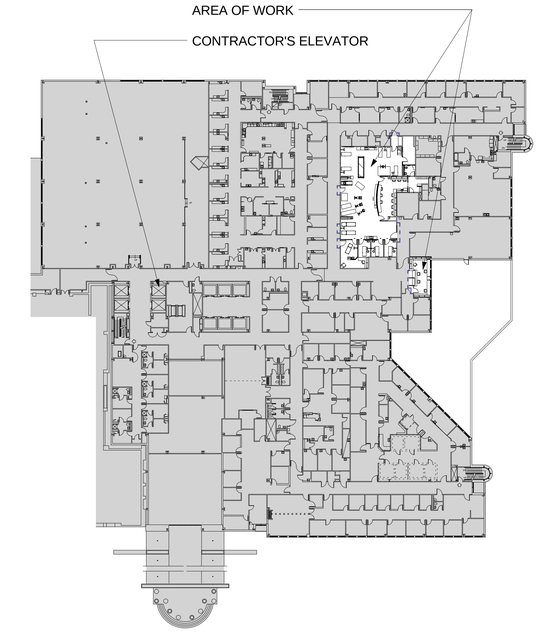
4100 West Third Street Dayton, OH 45428



N Vicinity Map



N Campus Map



N Building 330 - Second Floor

GENERAL CONSTRUCTION NOTES

* PLEASE NOTE THAT THE TERM PROJECT ENGINEER REFERS TO THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE.

1. ALL WORK SHALL COMPLY WITH THE LATEST NFPA 101 LIFE SAFETY CODE, INTERNATIONAL BUILDING CODE, AND OTHER COES AS IDENTIFIED IN VHA PROGRAM GUIDE PG-18-3, TOPIC 01, CODES, STANDARDS AND EXECUTIVE ORDERS WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERAN AFFAIRS, TECHNICAL INFORMATION LIBRARY WEBSITE.
2. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE LATEST ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD (ABAAS) AND DEPARTMENT OF VETERANS AFFAIRS BARRIER FREE DESIGN GUIDE PG-18-13 WHICH CAN BE FOUND ON THE DEPARTMENT OF VETERANS AFFAIRS TECHNICAL INFORMATION LIBRARY WEBSITE.
3. CONTRACTOR IS RESPONSIBLE TO VISIT THE SITE, EXAMINE AND ACCEPT EXISTING ONDITIONS PRIOR TO BIDDING. SITE VISITS TO BE COORDINATED WITH THE CONTRACTING OFFICER'S REPRESENTATIVE.
4. CONTRACTOR IS RESPONSIBLE TO REPAIR AND/OR REFINISH, TO MATCH ADJACENT EXISTING SURFACES, ANY EXISTING MATERIALS TO REMAIN THAT ARE DAMAGED DURING THE COURSE OF DEMOLITION OR NEW WORK.
5. WHERE REMOVAL OF EXISTING WORK IS REQUIRED FOR INSTALLATION OF NEW WORK, CONTRACTOR SHALL REPAIR EXISTING CONSTRUCTION TO REMAIN OR PROVIDE NEW CONSTRUCTION TO MATCH EXISTING ADJACENT SURFACES TO REMAIN.
6. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ORDERING, FABRICATING OR INSTALLING NEW MATERIALS.
7. CONTRACTOR IS RESPONSIBLE TO VERIFY SIZES OF ALL EQUIPMENT, ETC. TO BE INSTALLED AS PART OF THIS PROJECT, AND WHERE NECESSARY, MAKE SPECIAL PROVISIONS TO INSTALL EQUIPMENT THAT IS TOO LARGE TO FIT THROUGH FINISHED OPENINGS.
8. CONTRACTOR SHALL PROVIDE WOOD BLOCKING AT TOILET ACCESSORIES, HAND RAILS, BUMPER RAILS, SHELVING, CASEWORK, MOUNTING BRACKETS AND OTHER WALL MOUNTED ITEMS, AS INDICATED IN THE CONTRACT DOCUMENTS AND AS RECOMMENDED BY PRODUCT MANUFACTURERS. ALL WOOD BLOCKING SHALL BE FIRE RETARDANT TREATED.
9. ALL EXPOSED NEW WORK IS TO RECEIVE NEW FINISHES UNLESS SPECIFICALLY NOTED OTHERWISE. iF NO FINISH IS INDICATED AT A PARTICULAR SURFACE, CONTRACTOR SHALL PROVIDE FINISH(S) AS INDICATED AT SIMILAR CONDITIONS.
10. CONTRACTOR SHALL PROVIDE COMPLETE AND FULLY OPERATIONAL SYSTEMS WHICH COMPLY WITH STATED CODES AND REGULATIONS. WHERE THE OMISSION OF A PART OR ELEMENT OF A SYSTEM WOULD RESULT IN THE NON-OPERATION, OR INCORRECT OPERATION OF A SYSTEM, CONTRACTOR SHALL INCLUDE SAID PART OR ELEMENT AS PART OF THE WORK.
11. ALL PENETRATIONS THROUGH NEW AND/OR EXISTING SMOKE OR FIRE RATED WALLS SHALL BE SMOKE/FIRE STOPPED AS REQUIRED BY THE RATING OF THE WALL.
12. FIRE PROTECTION CONTRACTOR'S SPRINKLER DESIGN WILL BE SUBJECT TO AN INDEPENDENT REVIEW BY A CERTIFIED FIRE PROTECTION ENGINEER RETAINED BY THE OWNER. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR MAKING ANY REQUIRED CHANGES TO THE DESIGN AS IDENTIFIED BY THE OWNER'S FIRE PROTECTION ENGINEER AS NECESSARY FOR COMPLIANCE WITH SPECIFIED NFPA REQUIREMENTS.

Drawing Index

Graphics Symbols

1/A101	EXTERIOR ELEVATION	X	WINDOW OPENING
X	INTERIOR ELEVATION SEE 400 SERIES SHEETS	101	DOOR OPENING
SIM 1 / A101	SECTION/DETAIL NUMBER DRAWING NUMBER	X / X	ROOM NAME ROOM NUMBER
X	EQUIPMENT TAG	XX.X-X	WALL TYPE SEE SHEET A600
X	COLUMN GRID	10'-8"	CEILING HEIGHT
X	NOTE	P-3	FINISH DESIGNATION

Revisions	Date

CONSULTANTS:

Heapy Engineering
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JOHN A. POE 6549
REGISTERED ARCHITECT

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Drawing Title: COVER SHEET

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: MD

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330G001

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

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Code Notes - NFPA Life Safety Code, 2012

New work classified as Modification per chapter 43

Occupancy Group
- Existing Health Care Occupancy - no change of use

Construction Type
- Existing steel frame and spray on fireproofing. No change.

Height and Area limitations
- Existing no change

Occupant Loads
- No change

Ratings
- Interior nonbearing walls - no rating required, shall be non combustable materials.

Automatic Suppression System
- Existing to remain - system modified as required at new construction.

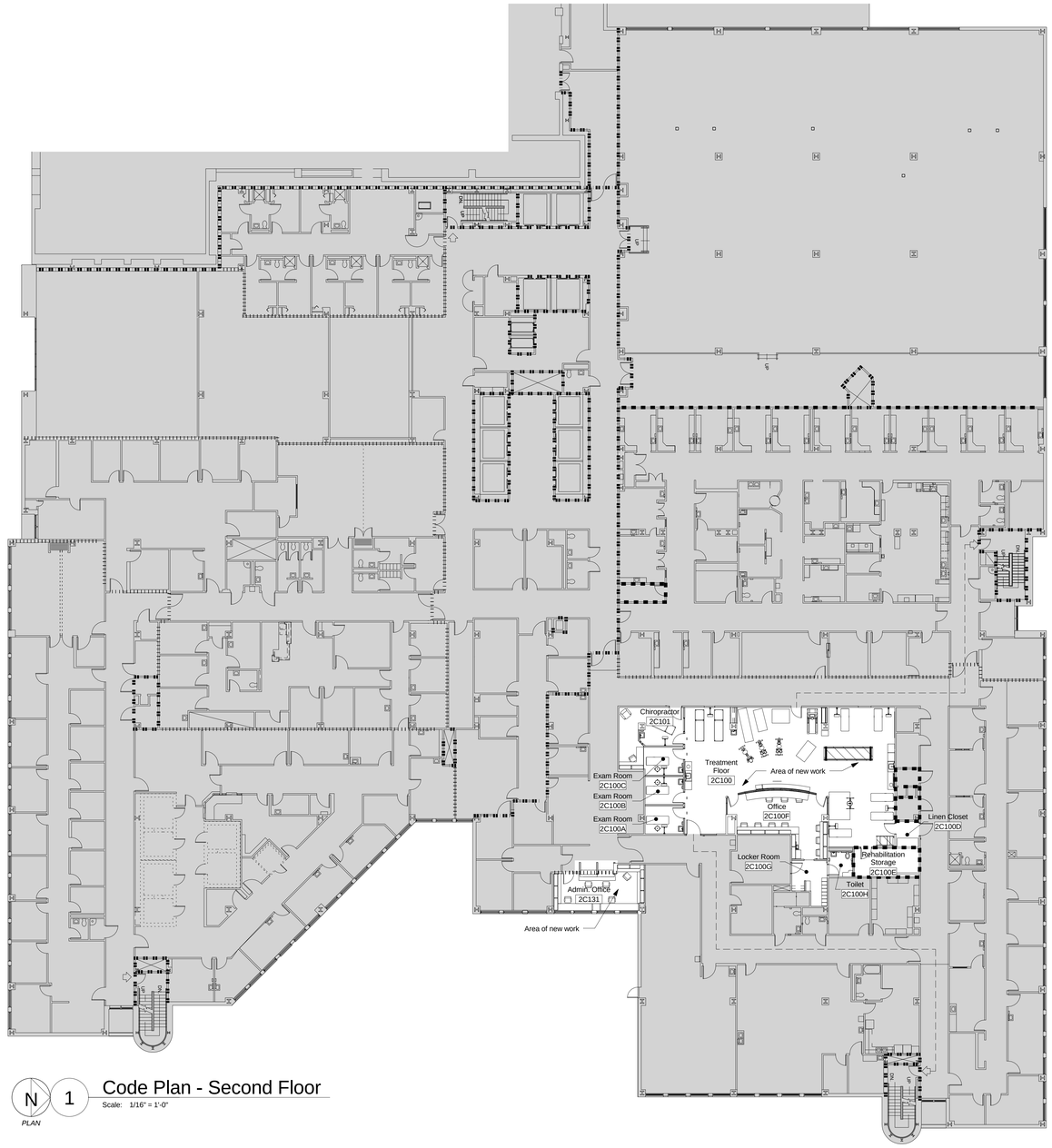
Detection and Notification
- Existing to remain - system modified as required at new construction.

Smoke Exhaust System
- Not applicable

Fire Extinguishers
- Existing no change

Emergency Power and Lighting
- Required in means of egress.

Egress
- The required means of egress and required fire protection features shall be maintained continuosly throughout construction.
- All corridors and exits are existing to remain.



N 1 Code Plan - Second Floor

PLAN

Scale: 1/16" = 1'-0"

CODE LEGEND

- 0-HR Smoke Partition
- 1-HR Smoke Barrier
- 1-HR Fire Barrier
- 2-HR Fire Barrier
- Means of Egress
- Existing Wall to Remain
- New Wall

Revisions	Date

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Drawing Title: CODE PLAN

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: MD

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330G101

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs

FULLY SPRINKLERED

GENERAL DEMOLITION NOTES

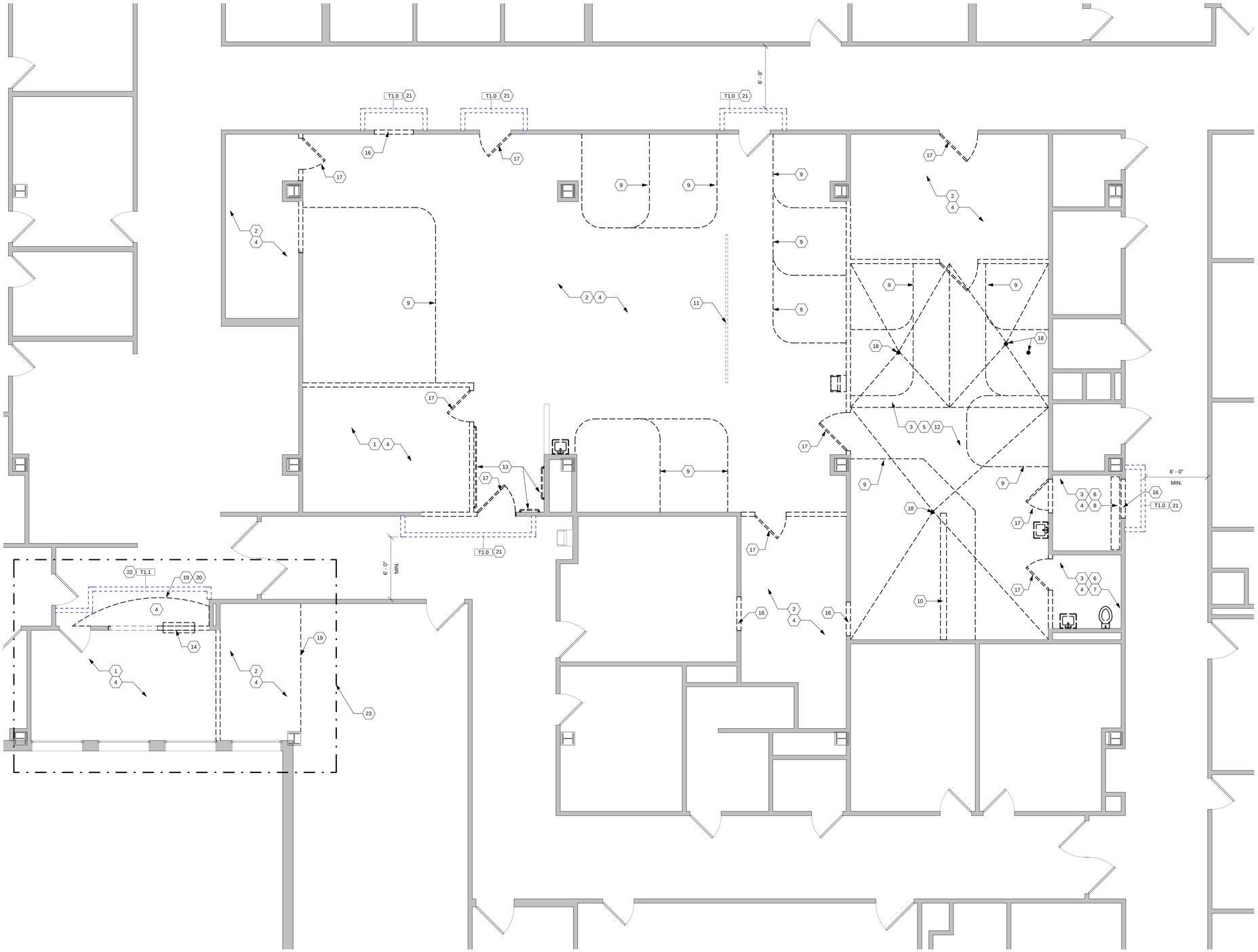
A. Remove all existing partitions shown with dashed line. Repair wall and floor finishes to remain and match adjacent surfaces at areas of removal or scheduled new surfaces as required.
B. Remove all existing doors, hollow metal frames, and borrowed lights where indicated with dashed line. Unused hardware shall be turned over to Owner.
C. Remove wall-hung toilet room accessories and medical equipment as required and turn over to Owner.
D. See Plumbing, HVAC and Electrical Drawings for removal work associated with those trades.
E. Computer and communication cables and/or other wiring, piping, tubing, etc. serving other areas and functions located above ceiling or in walls of area to be remodeled shall be maintained during demolition/construction process. Coordinate any required changes to these systems with the C.O.R.
F. Repair existing walls to match adjacent undisturbed wall where cabinets, countertops, etc. are shown to be removed.
G. Prepare walls and floor slabs as required to receive new fininsh materials where existing finish is indicated to be removed.
H. Remove existing corner guards in areas to be remodeled.
J. Remove all existing wall mounted clothes hookes, sharps containers, soap dispensers, etc. Prepare wall for new finishes.
K. Existing structure is protected w/ spray on fire proofing. Repair / replace any existing spray on fire proofing damaged by demolition or new construction.

LEGEND

- Means of Egress
- Wall to be Demolished
- Existing Wall to Remain
- New Wall
- Existing door to be removed
- Existing equipment to be removed.

DEMOLITION NOTES

1 Remove carpet and rubber/vinyl base this area.
2 Remove VCT and rubber/vinyl base this area.
3 Remove ceramic tile floor and base this area. Remove setting bed materials and prepare for fill to level floor.
4 Remove existing acoustic ceiling tile and grid.
5 Remove existing suspended gypsum board ceiling system.
6 Remove existing ceramic wall tile wainscot and gypsum board to above ceiling. Install new 5/8" Type X gypsum board.
7 Remove all toilet accessories and patch / prepare wall for new finishes.
8 Remove existing bench and prepare wall for new finishes.
9 Remove and salvage existing cubicle curtains and tracks. Reinstall in Room 2C-128. Coordinate exact locations with C.O.R. This work to be complete prior to start of demolition.
10 Remove exisitng steel lift beam and associated structure. Do not disturb existing fire proofing.
11 Remove and salvage existing ceiling mounted patient 'solo track'. Reinstall in Room 2C-100 as shown.
12 Remove existing ceramic wall tile (full height) and gypsum board to above ceiling. Install new 5/8" Type X gypsum board.
13 Remove existing hand rail. Patch / repair wall for new finishes.
14 Remove existing coiling fire shutter.
16 Remove portion of wall was required for new door. Reframe opening as required for new door frame and install new 5/8" Type X gypsum board as required to finish opening.
17 Remove existing door and frame. Turn hardware over to Owner.
18 Existing floor drain to be removed. See Plumbing Drawings.
19 Limit of floor / ceiling demolition.
20 Modify existing ceiling grid to meet new bulkhead.
21 Temporary partition required during demolition and construction of new walls and doors. See Wall Type T1.0 on sheet 330A601.
22 Temporary partition required during demolition and construction of new walls and doors. See Wall Type T1.1 on sheet 330A601.
23 All work this area to be completed in 14 calendar days.



N

Demolition Plan

Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: DEMOLITION PLAN

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330AD101

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Department of Veterans Affairs

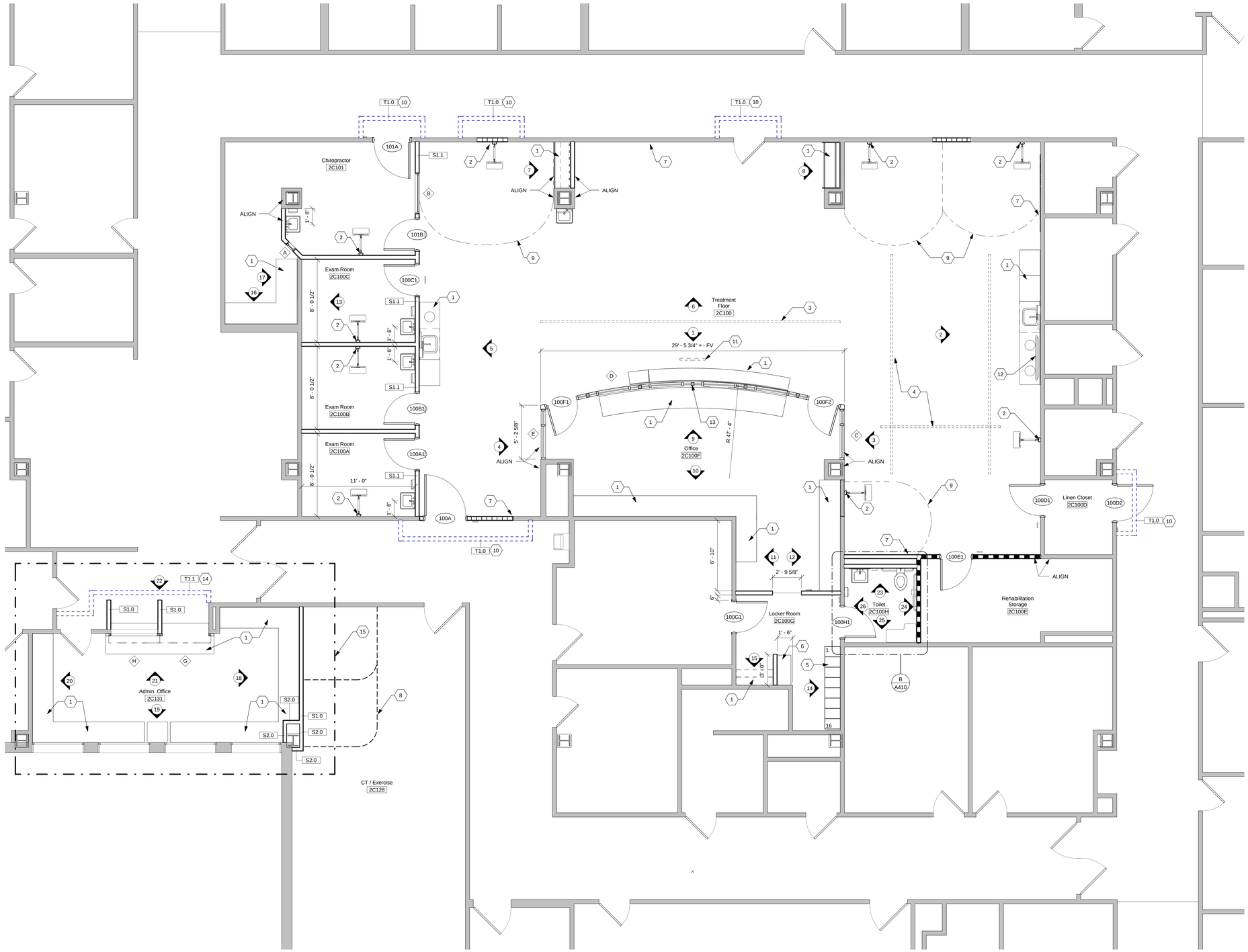
FULLY SPRINKLERED

GENERAL NOTES

A. All dimensions are taken to face of gypsum wallboard or unit masonry.
B. Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls. Edge of all door jambs at strike side not otherwise located are to be 18" minimum from the face of intersecting walls.
C. All wood blocking to be fire retardent treated.
D. First floor level 100'-0" equals 728'-0".
E. All partitions shall be type 'S1.0' unless noted otherwise.

PLAN NOTES

1 New casework. See Interior Elevation.
2 New computer support hardware furnished by Owner, installed by Contractor.
3 Salvaged 'Solo Track' patient support track. See Reflected Ceiling Plan.
4 X-Y patient lift assembly furnished and installed by Owner. Coordinate all ceiling and above ceiling work with lift installer.
5 Two-tier lockers.
6 Wood bench w/ floor mount pedistals.
7 Dimensional signage.
8 Relocate cubicle curtain track. This work to be complete prior to start of demolition. Coordinate exact locations with C.O.R. Assume 5 cubicles will be created.
9 Cubicle curtain track.
10 Temporary partition required during demolition and construction of new walls and doors. See Wall Type T1.0 on Sheet 330A601.
11 Ceiling mounted television by Owner.
12 Wall mounted television by Owner.
13 3.5" x 3.5" x 40" steel tube @ 6'-0" o.c. anchored to slab with 3.5" x 8" x 1/2" plate with two (one each side) expansion anchors.
14 Temporary partition required during demolition and construction of new walls and doors. See Wall Type T1.1 on Sheet 330A601.
15 All work this area to be completed in 14 calendar days.



N

New Plan

Scale: 1/4" = 1'-0"

Revisions	Date

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Drawing Title: NOTE PLAN

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330A101

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Office of Construction and Facilities Management
Department of Veterans Affairs

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GENERAL NOTES

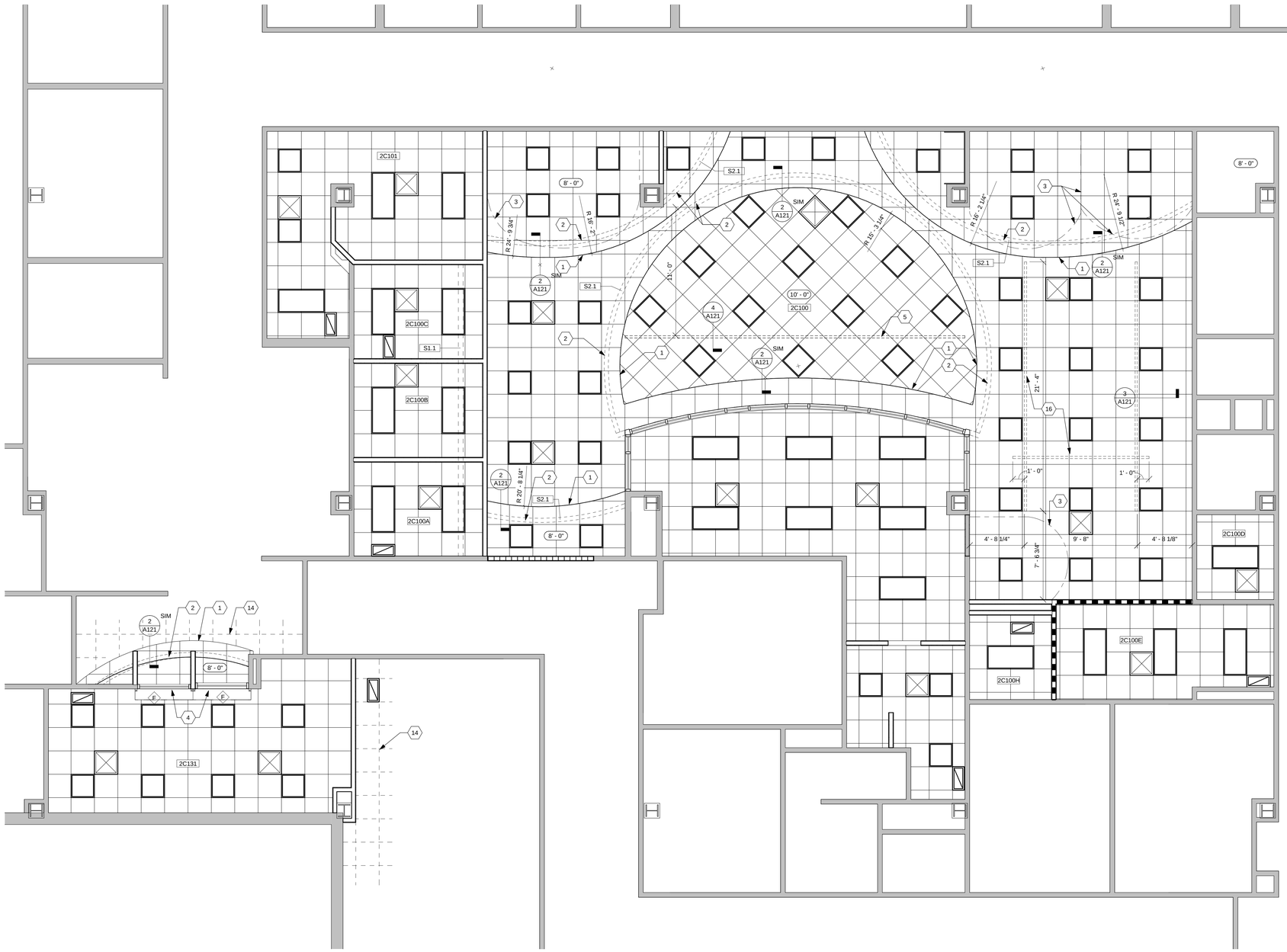
A. All wood blocking shall be fire retardant.
B. Light fixtures, sprinkler heads, speakers, and HVAC devices shall be located as close as possible to the center of acoustical ceiling panels. Confirm any deviation from this with the Project Engineer.
C. See P, M, E and FP drawings for additional information regarding final information and quantities of fixtures/devices to be installed in ceiling.
D. See Electrical Drawings for lighting specifications.
F. Ceiling height to be 9'-0" AFF, unless noted otherwise.

REFLECTED CEILING PLAN LEGEND

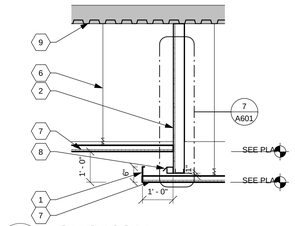
- Recessed downlight fixture
- 2' x 4' fluorescent fixture
- 2' x 2' acoustical tile ceiling
- Gypsum board / portland cement plaster ceiling / soffit - painted
- Pendant light fixture
- Surface-mounted strip light fixture
- Supply Air Diffuser
- Return Air Grille
- Chain-hung light fixture
- Access panel
- Recessed wall-wash fixture

CEILING NOTES

1 6" ACT grid edge trim.
2 3-5/8" stud wall suspended from deck above with diagonal kicker @8'-0"O.C. damaged fire proofing.
3 Flexible cubicle curtain track.
4 Overhead coiling counter door.
5 Salvaged 'Solo Track' patient support track. See Detail 4/A121.
6 Hanger wire.
7 Acoustical ceiling tile.
8 Cove light fixture.
9 Existing composite concrete/metal deck.
10 Existing structure with spray on fire proofing.
11 Patient lift track furnished and installed by Owner's seperate contract.
12 Semi-recessed patient lift track furnished and installed by Owner's seperate contract. Contractor to coordinate installation with work under this contract.
13 Patient lift cross track.
14 Rework existing grid as needed
15 Salvaged 'Solo Track' patient support track.
16 X-Y patient lift assembly furnished and installed by Owner. Coordinate all ceiling and above ceiling work with lift installer.



1 REFLECTED CEILING PLAN
Scale: 1/4" = 1'-0"



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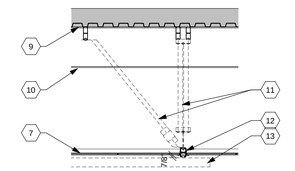

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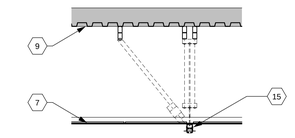

4 SECTION
Scale: 1/2" = 1'-0"

Revisions	Date

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Drawing Title: REFLECTED CEILING PLAN
Approved: Project Director

Project Title: Renovate Rehab Department B330
Location: Dayton, Ohio
Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No. VA Project No. 552-13-101 JPA Project No. 12010.00
Building Number: 330
Drawing Number: 330A121
Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

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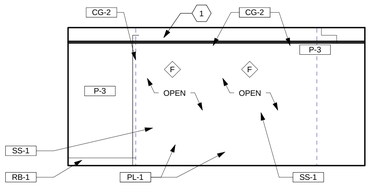
GENERAL INT. ELEVATION NOTES

A. See sheet AF101 for Finish Plan.
B. See sheet A511 for Casework Details.
C. See sheet AF501 for Room Finish Schedule.
D. See sheet A410 for Toilet Accessories Schedule.
E. See sheet A601 for wall types, door schedule and details.

⬡ ELEVATION NOTES

1 6" ACT grid edge trim.
2 Plumbing fixture. See Plumbing Drawings.
3 Sliding window assembly.
4 Wall mounted television. See Electrical Drawings.
5 Paper shredder box by Owner.
6 Furniture by Owner.
7 Overhead coiling door.
8 Dimensional text. Final location to be determined COR.
9 Computer support hardware, furnished by Owner, installed by Contractor.
10 Two-tier metal lockers.
11 CT-2 shall be used on the row directly below the bullnose tile, every third tile.
12 CT-3 shall be used on the second row below the bullnose tile, every third tile, one tile to the right of CT-2.



22 ADMIN. OFFICE
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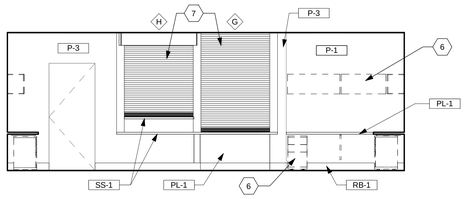

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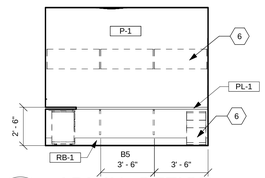

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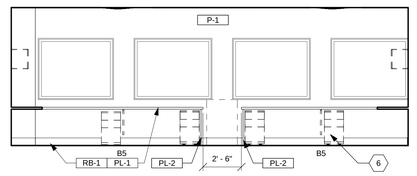

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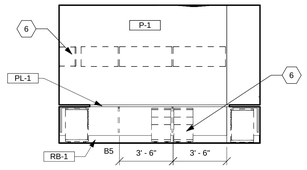

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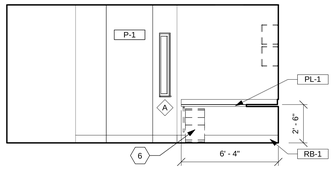

17 CHIROPRACTOR
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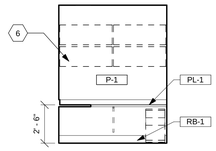

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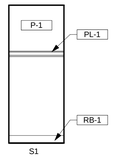

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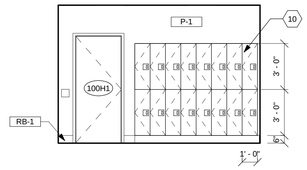

14 LOCKER ROOM
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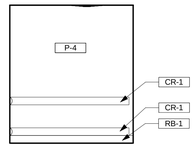

13 TYP. EXAM
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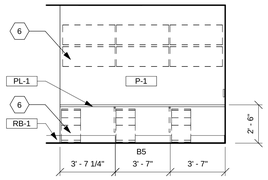
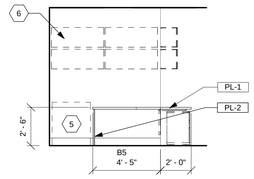


12 OFFICE
Scale: 1/4" = 1'-0"



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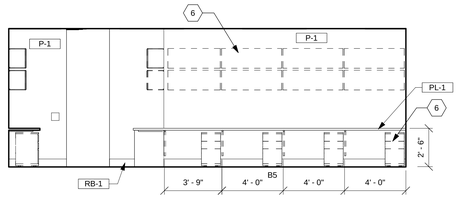

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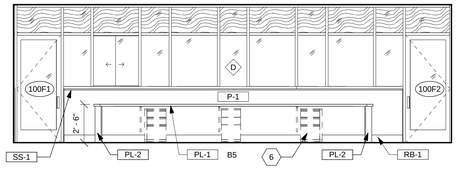

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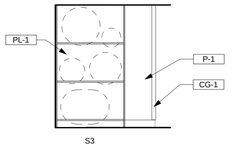

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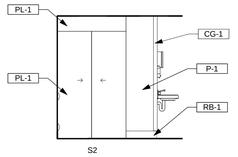

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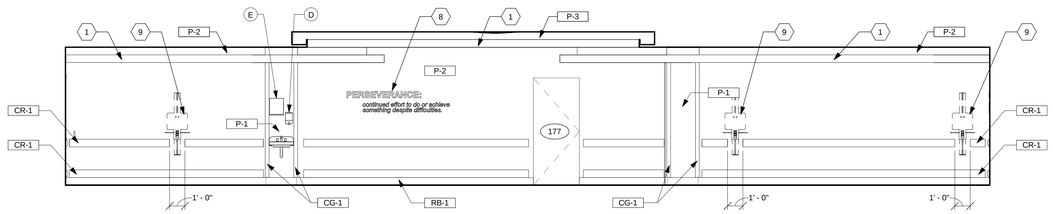

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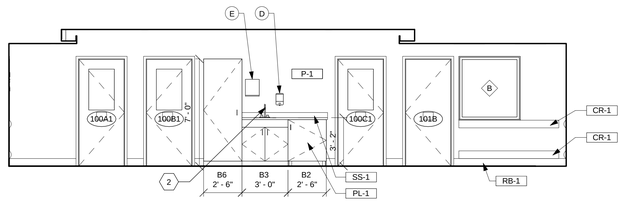

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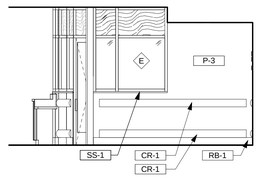

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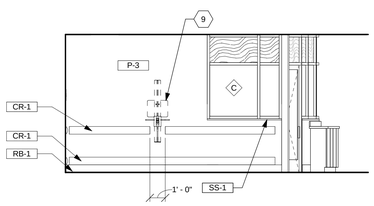

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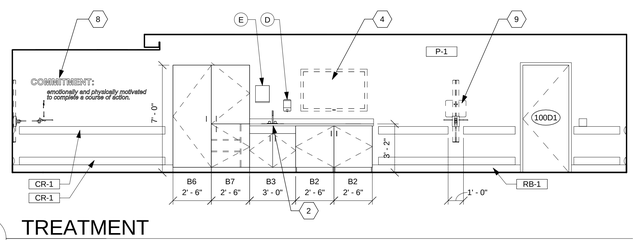

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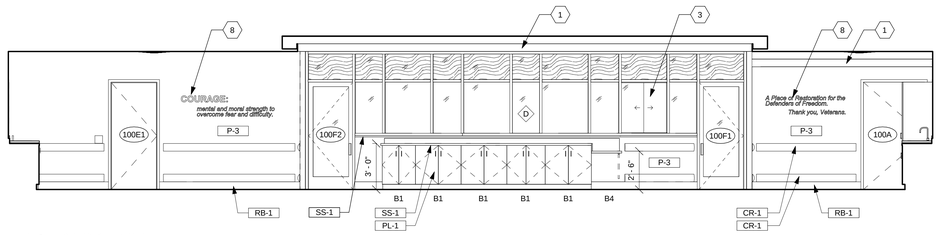

1 TREATMENT
Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: INTERIOR ELEVATIONS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No. VA Project No. 552-13-101 JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330A401

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GENERAL INT. ELEVATION NOTES

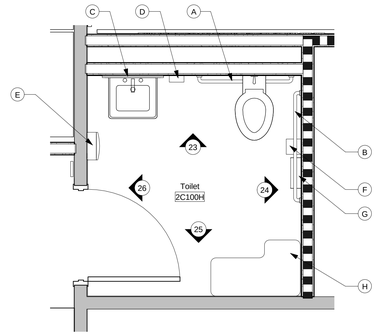
A. See sheet AF101 for Finish Plan.
B. See sheet A511 for Casework Details.
C. See sheet AF501 for Room Finish Schedule.
D. See sheet A410 for Toilet Accessories Schedule.
E. See sheet A601 for wall types, door schedule and details.

⎔ ELEVATION NOTES

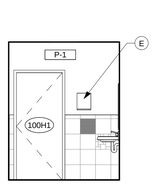
1 6" ACT grid edge trim.
2 Plumbing fixture. See Plumbing Drawings.
3 Sliding window assembly.
4 Wall mounted television. See Electrical Drawings.
5 Paper shredder box by Owner.
6 Furniture by Owner.
7 Overhead coiling door.
8 Dimensional text. Final location to be determined COR.
9 Computer support hardware, furnished by Owner, installed by Contractor.
10 Two-tier metal lockers.
11 CT-2 shall be used on the row directly below the bullnose tile, every third tile.
12 CT-3 shall be used on the second row below the bullnose tile, every third tile, one tile to the right of CT-2.

TOILET ACCESSORIES SCHEDULE

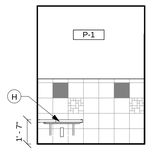
MARK	ITEM	MOUNTING HEIGHT	COMMENTS
A	GRAB BAR 36" LENGTH	33" A.F.F. TO CENTER LINE	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
B	GRAB BAR 42" LENGTH	33" A.F.F. TO CENTER LINE	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
C	MIRROR	40" A.F.F. TO BOTTOM OF MIRROR	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
D	SOAP DISPENSER	44" A.F.F TO PUSH BUTTON	OWNER PROVIDED, CONTRACTOR INSTALLED
E	PAPER TOWEL DISPENSER	68" A.F.F. TO TOP	OWNER PROVIDED, CONTRACTOR INSTALLED
F	TOILET TISSUE DISPENSER	28" A.F.F. TOP TOP	OWNER PROVIDED, CONTRACTOR INSTALLED
G	SANITARY NAPKIN RECEPTACLE	30" A.F.F. TO TOP	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED
H	FOLDING SEAT	18" A.F.F. TO TOP	CONTRACTOR PROVIDED, CONTRACTOR INSTALLED



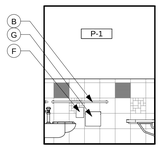
B ENLARGED PLAN - TOILET 2C100H
Scale: 1/2" = 1'-0"



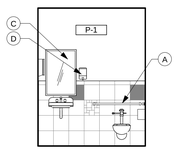
26 TOILET 2C100H
Scale: 1/4" = 1'-0"



25 TOILET 2C100H
Scale: 1/4" = 1'-0"



24 TOILET 2C100H
Scale: 1/4" = 1'-0"



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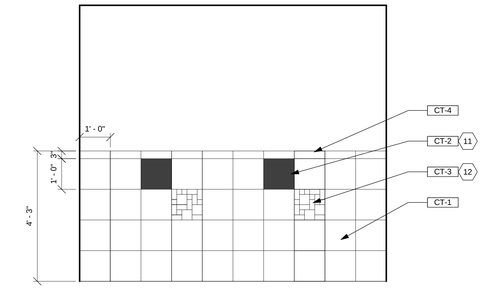
Scale: 1/4" = 1'-0"



A TOILET 2C100H WALL TILE PATTERN
Scale: 1/2" = 1'-0"

Revisions	Date

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Drawing Title: TOILET ROOMS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330A410

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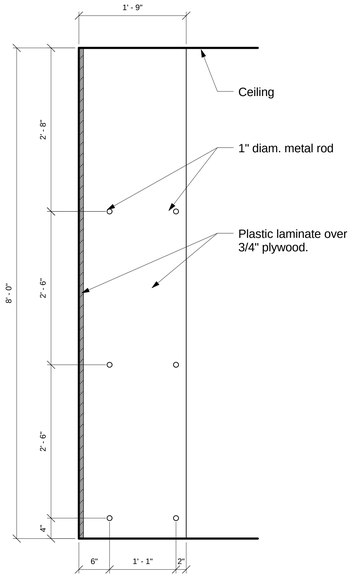
GENERAL FINISH PLAN NOTES

A. See Sheet AF501 for Room Finish Schedule.
B. See Interior Elevations on Sheet A401 for further information.
C. All door frames to be painted P-5 unless noted otherwise.
D. Finish Plan on AF101 shows accent wall finish locations only. Refer to Room Finish Schedule where no finish is indicated on plan.



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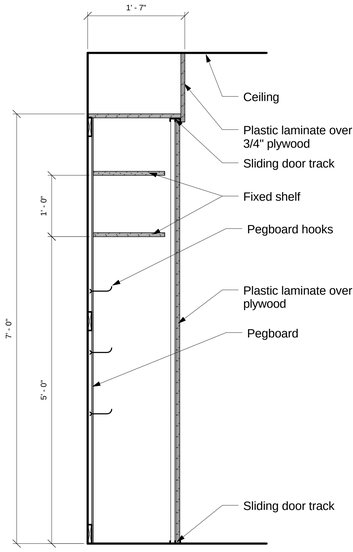

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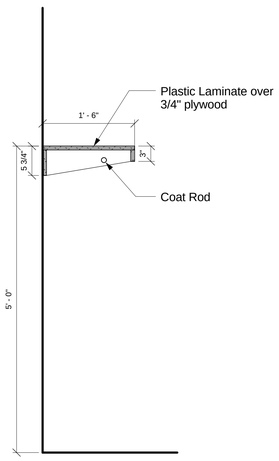

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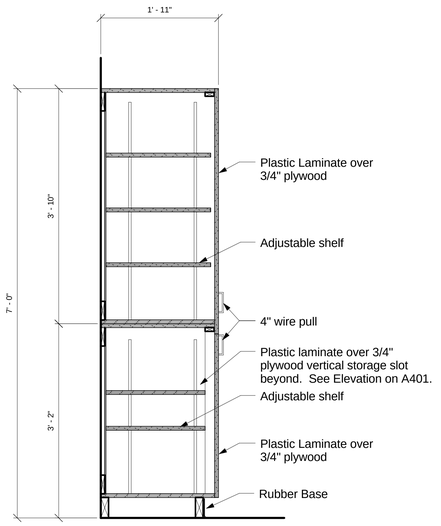

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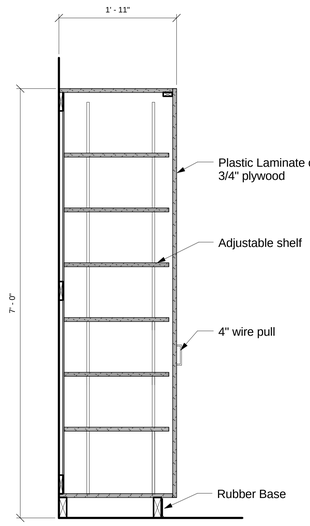

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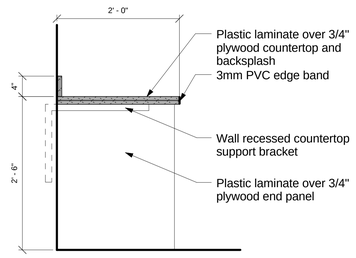

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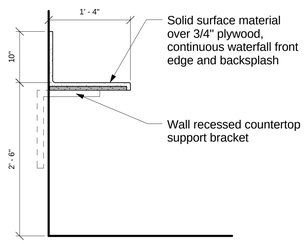

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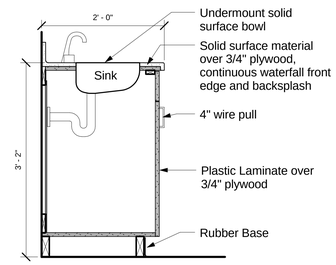

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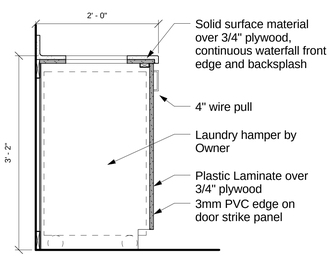

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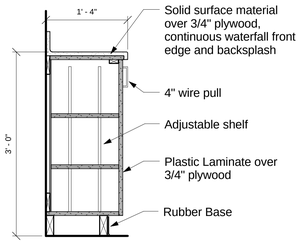

B1

1 CASEWORK SECTIONS

Scale: 1" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: CASEWORK SECTIONS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330A511

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Department of Veterans Affairs

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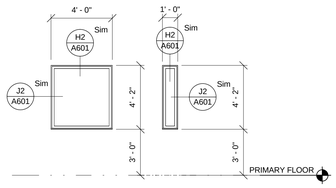
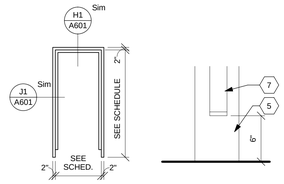


B A

HOLLOW METAL WINDOWS

Scale: 1/4" = 1'-0"



1 1A

FRAME TYPES

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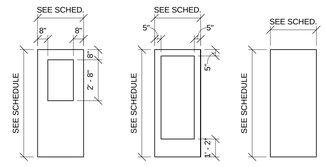

G FG F

DOOR TYPES

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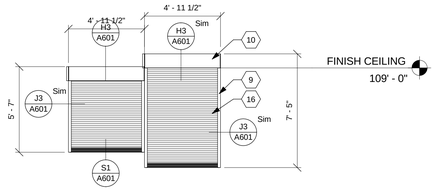


H G

COILING COUNTER DOOR

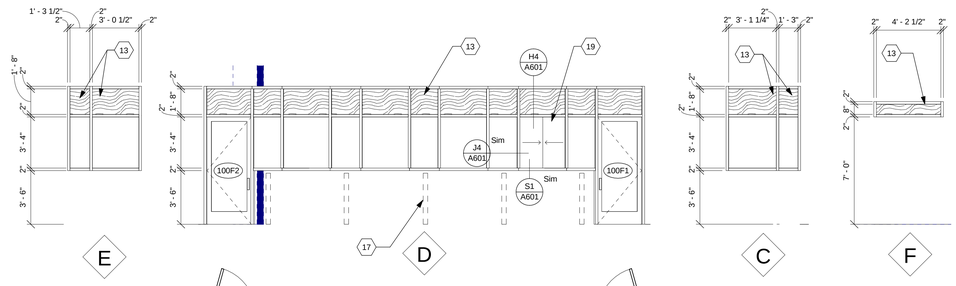
Scale: 1/4" = 1'-0"

DOOR SCHEDULE

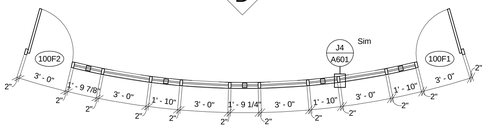
DOOR #	BETWEEN		DOOR DESCRIPTION						FRAME DESCRIPTION				FIRE RATING	HDWE SET	REMARKS
	RM	RM	TYPE	MAT'L	SIZE #	W	H	T	TYPE	MAT'L	HEAD	JAMB			
100A	CORR.	2C100	F	WD	1	4' - 0"	7' - 0"	1 3/4"	1	HM				8	
100A1	2C100	2C100A	G	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				1	
100B1	2C100	2C100B	G	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				1	
100C1	2C100	2C100C	G	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				1	
100D1	2C100D	2C100	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				6	
100D2	CORR.	2C100D	F	WD	1	3' - 6"	7' - 0"	1 3/4"	1	HM				7	
100E1	2C100	2C100E	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM			1 HR.	6	
100F1	2C100F	2C100	FG	AL/GL	1	3' - 0"	7' - 0"	1 3/4"	D/A601	ALUM				5	
100F2	2C100F	2C100	FG	AL/GL	1	3' - 0"	7' - 0"	1 3/4"	D/A601	ALUM				5	
100G1	STOR.	2C100G	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				4	
100H1	2C100H	2C100G	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				2	
101A	CORR.	2C101	F	WD	1	3' - 6"	7' - 0"	1 3/4"	1	HM				3	
101B	2C100	2C101	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM				4	

DETAIL NOTES

1 Sealant both sides of frame. Provide backer rod at all exterior locations.
2 Metal stud framing.
3 Fiberglass batt insulation.
4 5/8" Type 'X' gypsum board. See Wall Types.
5 Hollow metal frame.
6 Double studs at jamb, typ.
7 Hospital stops @ all interior door frames.
8 2x4 F.T wood blocking.
9 Coiling counter door track.
10 Coiling counter door mechanical hood/enclosure.
11 Acoustic ceiling tile.
12 4 1/2" aluminum storefront system.
13 Decorative acrilic tile.
14 Sliding transaction window and hardware.
15 Solid surface counter.
16 Coiling counter door.
17 3.5" x 3.5" x 40" steel tube @ 6'-0" o.c. anchored to slab with 3.5" x 8" x 1/2" plate with two (one each side) expansion anchors.
18 Aluminum filler at glazing pocket.
19 Sliding transaction window.

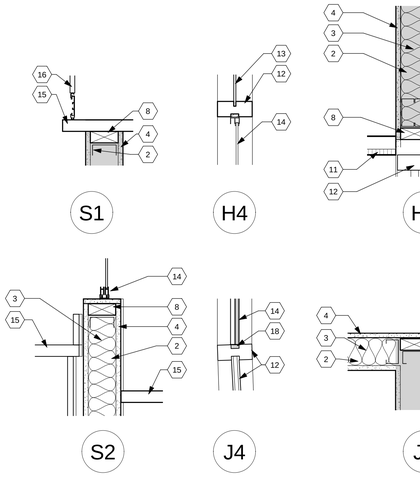


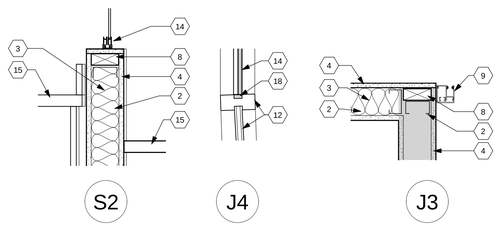
E D C F



4 1/2" ALUMINUM STOREFRONT ELEVATIONS

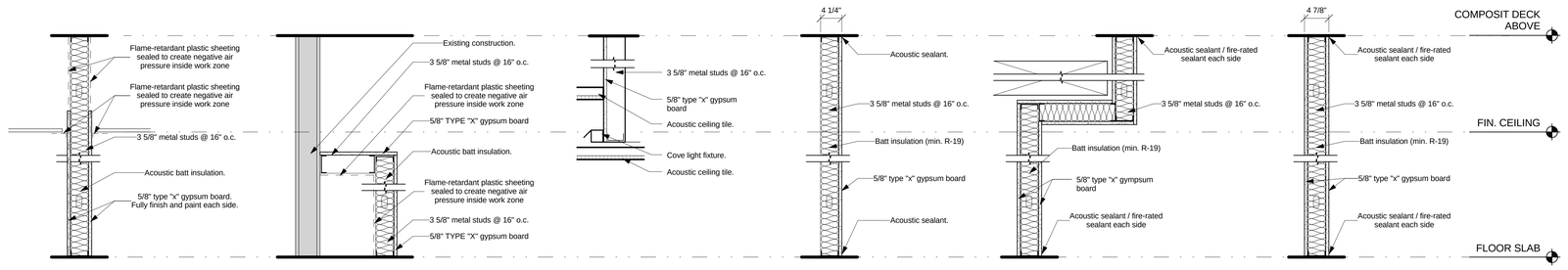
Scale: 1/4" = 1'-0"





DETAILS

Scale: 1 1/2" = 1'-0"



WALL TYPES

Scale: N.T.S.

Revisions	Date

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Drawing Title: WALL TYPES, DOOR SCHEDULE & DETAILS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: EK

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330A601

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Department of Veterans Affairs

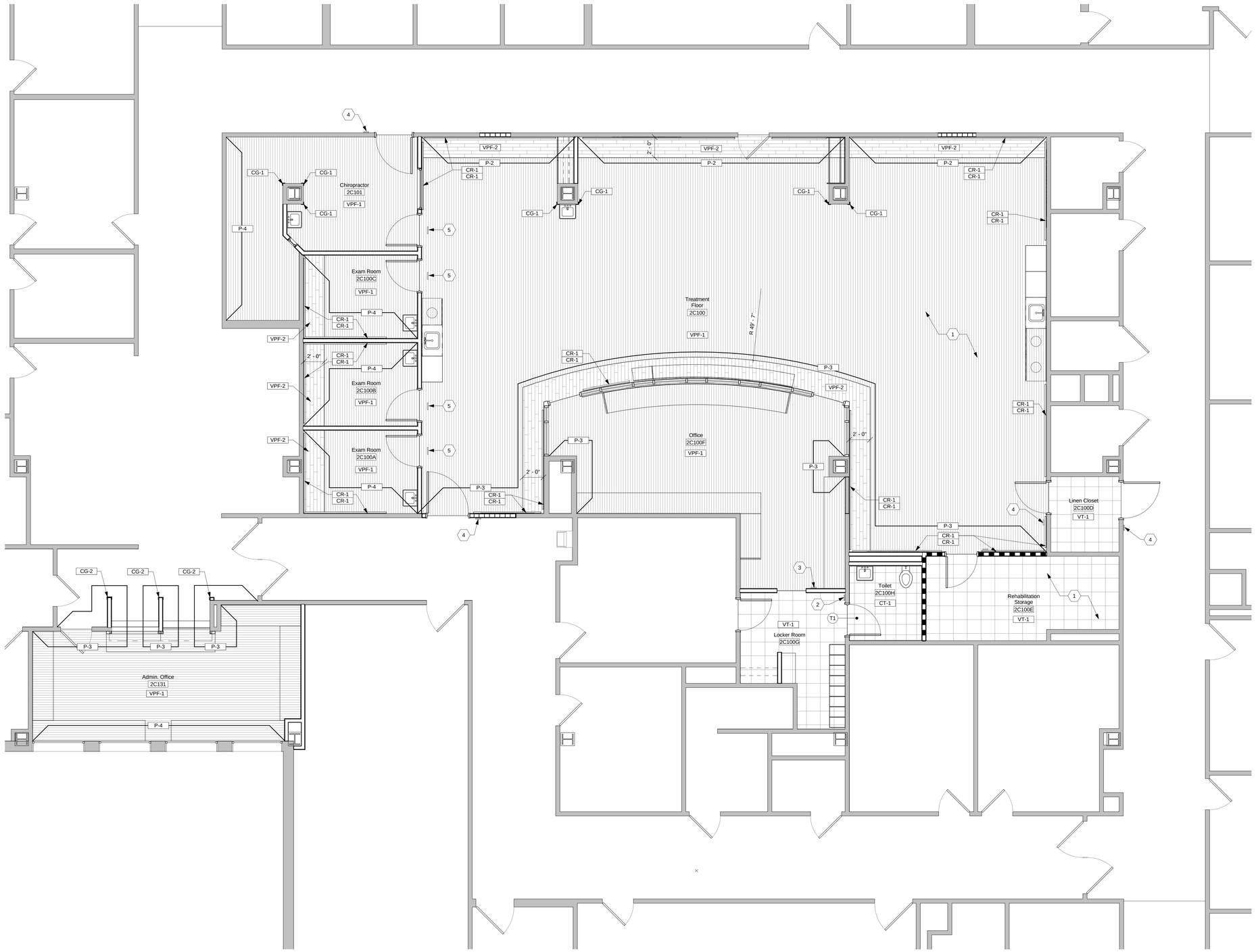
FULLY SPRINKLERED

GENERAL FINISH PLAN NOTES

A. See Sheet AF501 for Room Finish Schedule.
B. See Interior Elevations on Sheet A401 for further information.
C. All door frames to be painted P-5 unless noted otherwise.
D. Finish Plan on AF101 shows accent wall finish locations only. Refer to Room Finish Schedule where no finish is indicated on plan.

FINISH PLAN NOTES

1 Infill concrete slab slope with floor fill as required to provide a level finish floor to meet flatness requirements as defined in ASTM F710. See Demo Plan for area to be filled.
2 Install new Restroom sign type. Text and room number to be determined by C.O.R.
3 Install new Locker Room sign type. Text and room number to be determinted by C.O.R.
4 Install new Exam Room sign type. Text and room number to be determined by C.O.R.
5 Install new Ceiling Mounted sign type. Text to be determined by C.O.R.



N

FLOOR FINISH PLAN

Scale: 1/4" = 1'-0"

Revisions	Date

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Drawing Title: FINISH AND SIGNAGE PLAN
Approved: Project Director

Project Title: Renovate Rehab Department B330
Location: Dayton, Ohio
Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.: VA Project No. 552-13-101; JPA Project No. 12010.00
Building Number: 330
Drawing Number: 330AF101
Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

FULLY SPRINKLERED

GENERAL FINISH PLAN NOTES

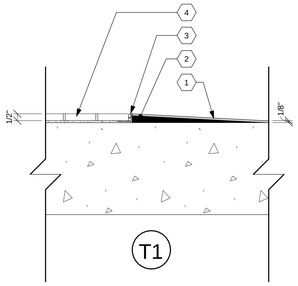
A. See Sheet AF501 for Room Finish Schedule.
B. See Interior Elevations on Sheet A401 for further information.
C. All door frames to be painted P-5 unless noted otherwise.
D. Finish Plan on AF101 shows accent wall finish locations only. Refer to Room Finish Schedule where no finish is indicated on plan.

⎔ INTERIOR DETAILS NOTES

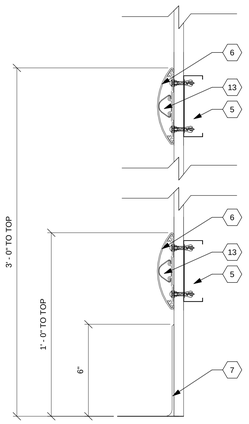
1 Luxury vinyl tile.
2 Vinyl subfloor leveler.
3 Metal edge trim.
4 Porcelain tile.
5 Steel stud.
6 Resilient acrylic vinyl cover.
7 Rubber base.
8 Bottom end cap.
9 Top end cap.
10 Ceiling.
11 Vinyl retainer.
12 Fasteners as required.
13 Continuous retainer.
14 Field paint contour.
15 Sponge neoprene.
16 Feathered joint cement.

ROOM FINISH SCHEDULE

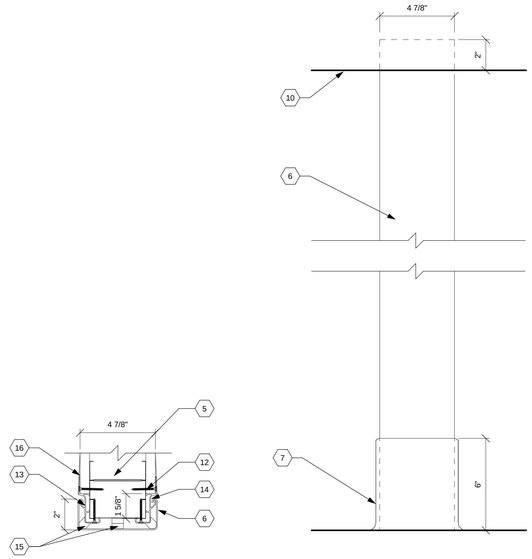
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CASEWORK		CEILING	DOOR	FRAME	CRASH RAIL
				North	South	East	West	Cabinet	Countertop				
2C100	Treatment Floor	VPF-1 / VPF-2	RB-1	P-2	P-1 / P-3	P-1	P-1	PL-1	SS-1	ACT-1	WD	P-5	CR-1
2C100A	Exam Room	VPF-1 / VPF-2	RB-1	P-1	P-4	P-1	P-4	-	-	ACT-1	WD	P-5	CR-1
2C100B	Exam Room	VPF-1 / VPF-2	RB-1	P-4	P-1	P-1	P-4	-	-	ACT-1	WD	P-5	CR-1
2C100C	Exam Room	VPF-1 / VPF-2	RB-1	P-1	P-4	P-1	P-4	-	-	ACT-1	WD	P-5	CR-1
2C100D	Linen Closet	VT-1	RB-1	P-1	P-1	P-1	P-1	-	-	ACT-1	WD	P-5	-
2C100E	Rehabilitation Storage	VT-1	RB-1	P-1	P-1	P-1	P-1	-	-	ACT-1	WD	P-5	-
2C100F	Office	VPF-1	RB-1	P-1	P-1 / P-3	P-1 / P-3	P-1 / P-3	-	PL-1	ACT-1	-	-	-
2C100G	Locker Room	VT-1	RB-1	P-1	P-1	P-1	P-1	-	PL-1	ACT-1	WD	P-5	-
2C100H	Toilet	CT-1	-	P-1 / CT-1/2/3/4	P-1 / CT-1/2/3/4	P-1 / CT-1/2/3/4	P-1 / CT-1/2/3/4	-	-	ACT-2	WD	P-5	-
2C101	Chiropractor	VPF-1	RB-1	P-1	P-1	P-1	P-4	-	-	ACT-1	WD	P-5	-
2C128	CT / Exercise	-	-	-	-	-	-	-	-	-	-	-	-
2C131	Admin. Office	VPF-1	RB-1	P-1 / P-3	P-4	P-1	P-1	PL-1	SS-1	ACT-1	-	P-5	-



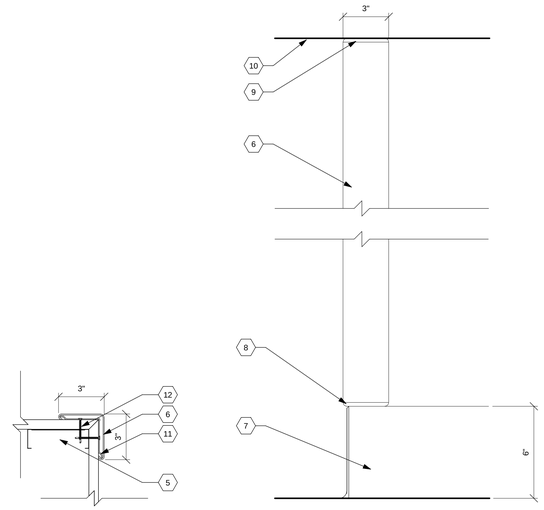
4 FLOOR TRANSITIONS
Scale: 3" = 1'-0"



3 CRASH RAIL SECTION
Scale: 3" = 1'-0"



2 FLUSH CORNER GUARD DETAILS
Scale: 3" = 1'-0"



1 SURFACE CORNER GUARD DETAILS
Scale: 3" = 1'-0"

Revisions	Date

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Drawing Title
FINISH DETAILS AND ROOM FINISH SCHEDULE

Approved: Project Director

Project Title
Renovate Rehab Department B330

Location
Dayton, Ohio

Date 1/18/2013 | Checked TH | Drawn KG

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number
330

Drawing Number
330AF501

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Department of Veterans Affairs

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GENERAL EQUIPMENT NOTES

A. Furniture and Equipment sizes and locations are for reference only. Final plan to be provided by Owner.

EQUIPMENT SCHEDULE

Tag	Description	Count	Supplier / Installer
2C100	Treatment Floor		
		20	
DT	Decompression Table	2	VV
KB	Kore Balance	1	VV
LC	Linen Cart	3	VV
MT	Mat Table	1	VV
NR	Nustep Recumbant	2	VV
PB	Parallel Bars	1	VV
RS	Recumbant Stepper	1	VV
SB	Stationary Bike	1	VV
SO	Scifit Orgometer	1	VV
ST	Stairs	1	VV
TG	Total Gym	1	VV
TM	Treadmill	1	VV
TT	Treatment Table	5	VV
WR	Weight Rack	1	VV
2C100A	Exam Room		
		4	
SL	Stool	1	VV
TT	Treatment Table	1	VV
2C100B	Exam Room		
		4	
SL	Stool	1	VV
TT	Treatment Table	1	VV
2C100C	Exam Room		
		8	
SL	Stool	1	VV
TT	Treatment Table	1	VV
2C100D	Linen Closet		
AL	Alex Automated Linen	1	VV
2C100F	Office		
FC	Flipper Cabinet	18	VV
PR	Printer	1	VV
PS	Paper Shredder Box	1	VV
TC	Task Chair	10	VV
2C101	Chiropractor		
		4	
CT	Chiropractor Table	1	VV
FC	Flipper Cabinet	4	VV
RC	Recliner	1	VV
TC	Task Chair	1	VV
2C131	Admin. Office		
BC	Business Center	1	VV
FC	Flipper Cabinet	8	VV
TC	Task Chair	5	VV

EQUIPMENT LEGEND

CC Contractor Furnished, Contractor Installed
CF Owner Furnished, Contractor Installed
VV Owner Furnished, Owner Installed

N

New Plan

Scale: 1/4" = 1'-0"

Revisions	Date

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Drawing Title: EQUIPMENT PLAN

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: TH | Drawn: KG

Project No.: VA Project No. 552-13-101; JPA Project No. 12010.00

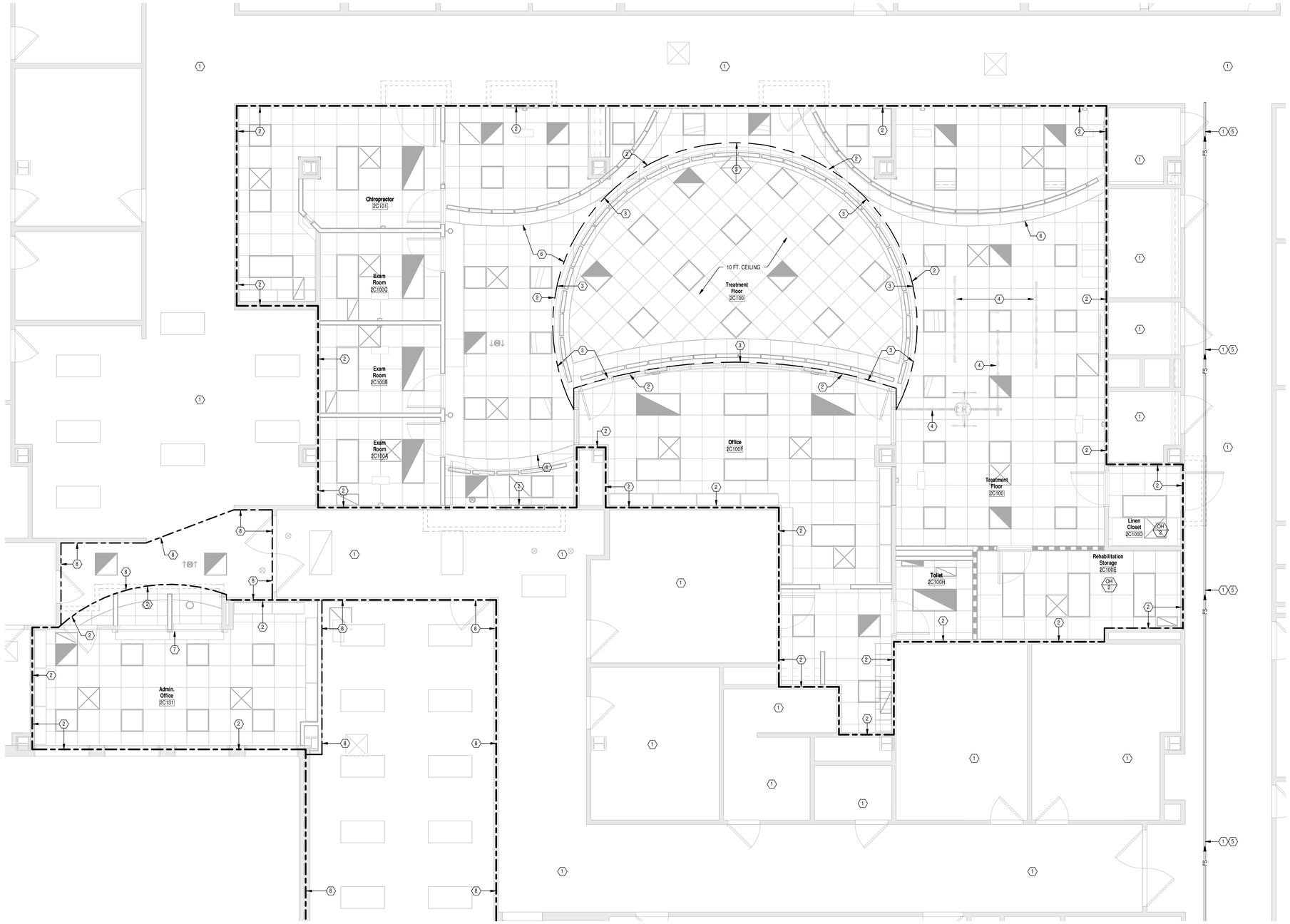
Building Number: 330

Drawing Number: 330IF101

Dwg. of

Office of Construction and Facilities Management

Department of Veterans Affairs



PARTIAL SECOND FLOOR PLAN

Scale: 1/4" = 1'-0"

F.F.E. = 986.35'

PROJECT

FULLY SPRINKLERED

FIRE SUPPRESSION NOTES

A PROVIDE A COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM IN THE ENTIRE RENOVATED AREA.

B COORDINATE WORK WITH VAMC AND ALL OTHER TRADES. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSETTING AND/OR RELOCATING SERVICES DETERMINED TO BE IN CONFLICT WITH WORK OF OTHER TRADES.

C DESIGN SERVICES SHALL FOLLOW ALL VA STANDARD DESIGN PRACTICES, DETAILS, SPECIFICATIONS AND SITE SPECIFIC C.O.T.R. REQUIREMENTS AS WELL AS WORK SHOWN ON THESE DOCUMENTS. ALL DEVIATIONS FROM AFOREMENTIONED REQUIREMENTS SHALL BE APPROVED BY THE C.O.R.

D THE F.S.C. SHALL VERIFY THAT THERE IS ADEQUATE SPACE TO INSTALL ALL NEW PIPING REQUIRED TO COMPLETE THIS WORK.

E ALL SPRINKLER PIPING IS LOCATED ABOVE THE CEILING (AT THE BOTTOM OF STRUCTURE IN EXPOSED STRUCTURAL AREAS) UNLESS OTHERWISE INDICATED.

F THE BASIS OF DESIGN OF SPACING AND SIZING FOR THE COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM IS FOR A WET PIPE SYSTEM HYDRAULICALLY CALCULATED FOR A:

1 LIGHT HAZARD AREA LIMITED TO A MAXIMUM OF 225 SQ. FT. PER SPRINKLER WITH THE DENSITY OF 0.10 GPM/SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT. PROVIDE AN ADDITION OF 100 GPM HOSE ALLOWANCE.

2 ALL MECHANICAL, ELECTRICAL AND ETC. AREAS SHALL BE ORDINARY HAZARD (GROUP 1) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.15 GPM/SQ. FT. PROVIDE AN ADDITION OF 250 HOSE ALLOWANCE.

3 ALL STORAGE, TRASH, FILE STORAGE AND ETC. AREAS SHALL BE ORDINARY HAZARD (GROUP 2) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.20 GPM/SQ. FT. PROVIDE AN ADDITION OF 250 GPM HOSE ALLOWANCE.

G ALL HEAD LOCATIONS AND RELATED PIPING SHALL BE BY THE F.S.C.

H THE ENTIRE SPRINKLER SYSTEM SHALL CONFORM TO VAMC, LOCAL, STATE AND NFPA STANDARDS, RULES AND REGULATIONS.

I THE F.S.C. SHALL CAREFULLY COORDINATE THE LOCATION OF ALL SPRINKLER HEADS AND PIPING WITH ALL OTHER TRADES AND THE ARCHITECT.

J THE F.S.C. SHALL VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND AIR DEVICES BEFORE INSTALLATION OF SPRINKLER HEADS.

K ALL SPRINKLER PIPING LAYOUT AND SIZING SHALL BE BY THE F.S.C.

L ALL HEAD LOCATIONS MUST BE COORDINATED WITH ALL EQUIPMENT KINDRED TO OTHER TRADES. HEAD LOCATIONS MUST BE APPROVED BY THE ARCHITECT BEFORE WORK COMMENCES. REFER TO THE ARCHITECTURAL AND REFLECTIVE CEILING PLANS FOR ADDITIONAL INFORMATION ON ALL CEILING TYPES, HEIGHTS, AND OTHER ARCHITECTURAL FEATURES.

M THE F.S.C. SHALL MAKE NECESSARY FLOW TEST, LAY OUT SYSTEMS, AND OBTAIN APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION PRIOR TO BEGINNING ANY FABRICATION OR INSTALLATION WORK.

N SPRINKLER PIPING SHALL BE MINIMUM 1" SIZE. PROVIDE ALL HARD PIPING, NO FLEXIBLE PIPING ALLOWED.

O SPRINKLER HEADS (UNLESS OTHERWISE NOTED):
EXPOSED AREAS - UPRIGHT OR PENDENT TYPE - STANDARD BRASS
CEILING AREAS - RECESSED PENDENT TYPE
ALL HEADS SHALL BE UL LISTED AND FM APPROVED.

P SPRINKLER HEADS SHALL BE "QUICK RESPONSE" TYPE IN ALL AREAS EXCEPT HIGH TEMPERATURE AREAS.

Q ALL PENDENT TYPE SPRINKLER HEADS LOCATED IN SUSPENDED CEILING TILE AREAS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE.

R ANNULAR SPACE AT PIPE AND OTHER SIMILAR PENETRATION OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. REFER TO SPECIFICATION SECTION 07 84 00 FIRESTOPPING. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION, LAYOUT AND FIRE RATING OF FLOORS, WALLS, PARTITIONS AND OTHER BUILDING ELEMENTS.

S REFER TO SPECIFICATION SECTION 21 13 13 FOR FLOW TEST REQUIREMENTS.

T ALL EXISTING SMOKE COMPARTMENTS SHALL BE MAINTAINED. ALL SPRINKLER ZONES SHALL MATCH SMOKE COMPARTMENTS.

U REFER TO ARCHITECTURAL DRAWINGS FOR INFORMATION ON SMOKE COMPARTMENTS, SMOKE PARTITIONS AND FIRE BARRIERS.

LEGEND

F.S.C. FIRE SUPPRESSION CONTRACTOR

DIRECTION OF FLOW

FS FIRE SUPPRESSION PIPE

F.F.E. FINISHED FLOOR ELEVATION

OH / 1 FIRE SUPPRESSION HAZARD CLASSIFICATION / ORDINARY HAZARD / GROUP 1

3 "NOTE" SYMBOL (FOR NOTES ON SAME SHEET)

123 ROOM NUMBER

NOTES

1 EXISTING TO REMAIN.

2 REMOVE EXISTING WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM MAIN AND BRANCH PIPING IN INDICATED AREA AND INSTALL NEW WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM TO CONFORM TO NEW CEILING AND/OR ARCHITECTURAL LAYOUT AND TO ACCOMMODATE NEW DUCTWORK AND LIGHTS.

3 REMOVE EXISTING WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM IN INDICATED AREA AND INSTALL NEW WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM TO ACCOMMODATE NEW DUCTWORK, LIGHTS AND CEILING HEIGHTS.

4 CLOSE COORDINATION WITH PATIENT LIFT STRUCTURAL MEMBERS IS REQUIRED.

5 EXISTING FIRE SUPPRESSION MAIN. CONFIRM SIZE IS ADEQUATE TO SERVE RENOVATED AREA SPRINKLER SYSTEM.

6 REFER TO ARCHITECTURAL SHEET A121 FOR CEILING SECTION DETAIL.

7 LOCATION OF OVERHEAD COILING DOOR. REFER TO ARCHITECTURAL SHEET A121.

8 MODIFY EXISTING WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM AS REQUIRED BY CEILING CHANGES TO ADJACENT AREA.

Revisions	Date

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Drawing Title: PARTIAL SECOND FLOOR PLAN

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330FX101

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

FULLY SPRINKLERED

GENERAL NOTES

A ALL PIPING IS LOCATED ABOVE THE CEILING (AT THE UNDERSIDE OF STRUCTURE IN EXPOSED STRUCTURAL AREAS), UNLESS OTHERWISE NOTED.

B REFER TO SCHEDULES, DETAILS AND DIAGRAMS FOR PIPING, PIPE SIZES AND PIPELINE DEVICES NOT INDICATED ON THE FLOOR PLAN.

C ABOVE CEILING UTILITY SPACE IS LIMITED. COORDINATION WITH ALL TRADES IS CRITICAL, PRIOR TO INSTALLATION OF ANY WORK.

D LOCATIONS AND SIZES OF EXISTING PIPING HAVE BEEN DETERMINED FROM A REVIEW OF EXISTING DRAWINGS AND/OR SITE INSPECTION, WHERE POSSIBLE. FIELD VERIFICATION OF EXACT LOCATION, ELEVATIONS, INVERTS, SIZES, DIRECTION OF FLOW, ETC., SHALL BE REQUIRED PRIOR TO BEGINNING NEW WORK.

E ALL PIPING REQUIRING REMOVAL SHALL BE REMOVED BACK TO ACTIVE MAINS AND CAPPED, OR REMOVED BACK TO POINTS OF NEW CONNECTION. INACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED SHALL BE DISCONNECTED FROM ACTIVE MAINS AND CAPPED OR PLUGGED IN CONCEALED LOCATIONS.

F NEW CONNECTIONS TO EXISTING PIPING SHALL BE WITH THE SAME SIZE AS THE EXISTING PIPING UNLESS OTHERWISE NOTED.

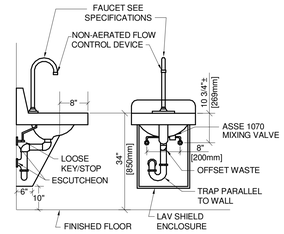
G ALL REMOVED MATERIAL AND EQUIPMENT SO DESIGNATED BY THE C.O.R., SHALL BE TURNED OVER AND PLACED WHERE DIRECTED. ALL MATERIAL AND EQUIPMENT, WHICH THE C.O.R. DOES NOT WISH TO RETAIN, SHALL BECOME THE PROPERTY OF THE CONTRACTOR RESPONSIBLE FOR THE REMOVAL.

LEGEND

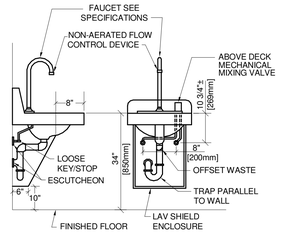
G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR
F.S.C.	FIRE SUPPRESSION CONTRACTOR
H.C.	HVAC CONTRACTOR
E.C.	ELECTRICAL CONTRACTOR
	SOIL AND OR WASTE PIPE
	VENT PIPE
STM	STORM DRAINAGE PIPE
	DOMESTIC COLD WATER PIPE (NEW)
	DOMESTIC HOT WATER PIPE (NEW)
	DOMESTIC HOT WATER RETURN PIPE (NEW)
DCW	DOMESTIC COLD WATER PIPE (EXISTING)
DHW	DOMESTIC HOT WATER PIPE (EXISTING)
TP	TRAP PRIMER PIPE
MA	MEDICAL AIR PIPE
MV	MEDICAL VACUUM PIPE
O2	OXYGEN PIPE
	SHUT-OFF VALVE (BALL)
	EXISTING PIPE TO BE REMOVED
	DIRECTION OF FLOW
	DIRECTION OF PIPING PITCH
P103	UP TO FIXTURE ABOVE
3	"NOTE" SYMBOL (FOR NOTES ON SAME SHEET)
	"CONNECT TO EXISTING" SYMBOL
SS	SANITARY STACK (SOIL/WASTE)
VR	VENT RISER
VS	VENT STACK
CO	CLEANOUT
123	ROOM NUMBER
F.F.E.	FINISHED FLOOR ELEVATION
P418	PLUMBING FIXTURE DESIGNATION
WC	EXISTING WATER CLOSET
LV	EXISTING LAVATORY
DF	EXISTING DRINKING FOUNTAIN
DS	DOWNSPOUT
FD	EXISTING FLOOR DRAIN
ZVC	MEDICAL GAS ZONE VALVE CABINET
A 330P001	DETAIL A ON SHEET 330P001

FIXTURE SCHEDULE

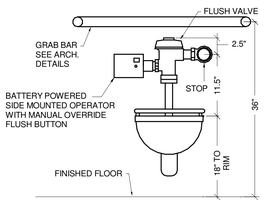
SYMBOL	MOUNTING HEIGHT	DESCRIPTION	FLOW GPM	FLOW GPF	FIXTURE UNITS DRAINS	FIXTURE UNITS WATER C/H	SUPPLY COLD	SUPPLY HOT	DRAINAGE CONNECTION OUTLET	VENT	DIRECT	INDIRECT	REMARKS
P103	18" TO RIM	WATER CLOSET/WALL HUNG/ADA	- -	1.28	4	5/- -	1"	- -	4"	2"	●	- -	BATTERY POWERED/SENSOR OPERATED/FLUSH VALVE.
P418	34" TO RIM	LAVATORY/WALL HUNG/20"x18"/ADA	0.5	- -	1	0.6/0.6	0.5"	0.5"	1.5"	1.5"	●	- -	SENSOR OPERATED FAUCET/LAV SHIELD/BELOW DECK MIXING VALVE
P419	34" TO RIM	LAVATORY/WALL HUNG/20"x18"/ADA	1.5	- -	1	0.6/0.6	0.5"	0.5"	1.5"	1.5"	●	- -	SENSOR OPERATED FAUCET/LAV SHIELD/ABOVE DECK MIXING VALVE
P524	- -	STAINLESS STEEL SINK/SINGLE COMPARTMENT/COUNTERTOP	1.5	- -	2	1.5/1.5	0.5"	0.5"	1.5"	1.5"	●	- -	WRIST BLADES HANDLES/GOOSENECK SPOUT



P418 WALL HUNG LAVATORY (A 330P001)
SCALE: NONE

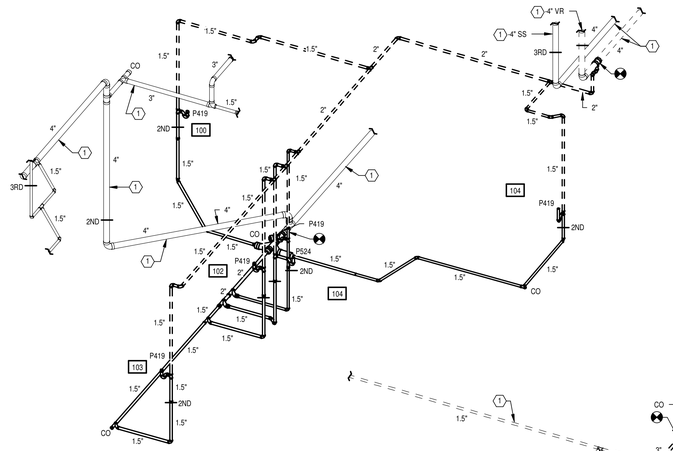


P419 WALL HUNG LAVATORY (B 330P001)
SCALE: NONE



P103 WATER CLOSET (C 330P001)
SCALE: NONE

DRAWING INDEX - PLUMBING	
SHEET	DESCRIPTION
330P001	LEGEND, SCHEDULES, NOTES, DETAILS & INDEX
330PD101	PARTIAL SECOND FLOOR PLAN - REMOVALS
330PP101	PARTIAL SECOND FLOOR PLAN - NEW WORK



NOTES

1 EXISTING TO REMAIN.

2 PIPING LOCATED ABOVE EXISTING 2ND FLOOR SLAB.

SOIL, WASTE & VENT

Scale: N.T.S.

Revisions	Date

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Drawing Title: LEGEND, SCHEDULES, NOTES, DETAILS & INDEX

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330P001

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

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GENERAL NOTES

A REFER TO SHEET P.1 - LEGEND, SCHEDULES, NOTES, DETAILS & INDEX FOR GENERAL NOTES.

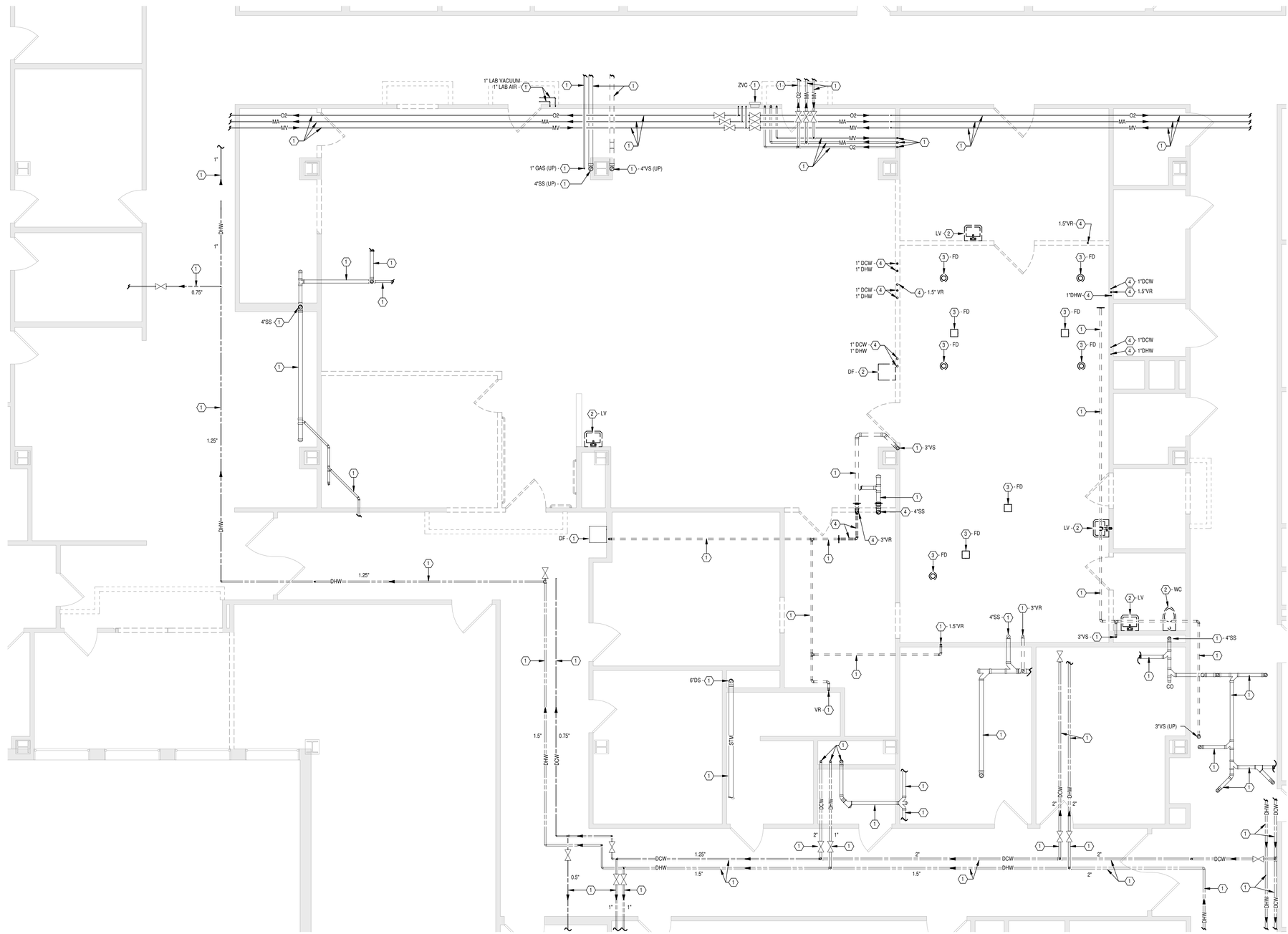
⬡ NOTES

1 EXISTING TO REMAIN.

2 REMOVE EXISTING FIXTURE OR ITEM OF EQUIPMENT (TYPE AS INDICATED) AND ALL EXTRANEOUS PIPING BACK TO MAIN OR POINT OF NEW CONNECTION. CAP PIPING IN WALLS WHERE WALLS ARE TO REMAIN OR ABOVE CEILING OR BELOW FLOOR SLAB WHERE WALLS ARE TO BE REMOVED. NO PIPE STUBS SHALL REMAIN VISIBLE IN FINISHED AREAS.

3 REMOVE EXISTING FLOOR DRAIN GRATE, PLUG DRAIN OUTLET, AND FILL DRAIN WITH CONCRETE TO FLUSH WITH EXISTING FLOOR SLAB. REMOVE EXISTING PIPING SERVING FLOOR DRAIN BACK TO MAIN OR POINT OF NEW CONNECTION.

4 REMOVE EXISTING PIPING BACK TO MAIN OR POINT OF NEW CONNECTION. CAP PIPING IN WALLS WHERE WALLS ARE TO REMAIN OR ABOVE CEILING OR BELOW FLOOR SLAB WHERE WALLS ARE TO BE REMOVED. NO PIPE STUBS SHALL REMAIN VISIBLE IN FINISHED AREAS.



N
PROJECT

PARTIAL SECOND FLOOR PLAN - REMOVALS

Scale: 1/4" = 1'-0"

F.F.E. = 986.35'

Revisions	Date

CONSULTANTS:

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HEAPY PROJECT No.: 2012-04011 **FIRM LICENSE No.: 01528**

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Drawing Title: PARTIAL SECOND FLOOR PLAN - REMOVALS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330PD101

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

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GENERAL NOTES

A REFER TO SHEET P1 - LEGEND, SCHEDULES, NOTES, DETAILS & INDEX FOR GENERAL NOTES.

NOTES

1 EXISTING TO REMAIN.

2 BOX MOUNTED TRANSFORMER LOCATED ABOVE THE CEILING TO CONTROL SENSOR OPERATED FAUCET ON FIXTURE(S) BELOW. 120V-1PH POWER WILL BE LOCATED IN A WIRING BOX ABOVE THE CEILING BY THE E.C. A 0.75" CONDUIT (FOR LOW VOLTAGE WIRING) STUBBED ABOVE THE CEILING AND EXTENDED DOWN TO AN ELECTRICAL WALL BOX LOCATED BELOW EACH LAVATORY WILL BE PROVIDED BY THE E.C. THE TRANSFORMER AND LOW VOLTAGE WIRING SHALL BE BY THE P.C. THE P.C. SHALL COORDINATE ALL WORK WITH THE E.C.

3 NOTE NOT USED

4 PIPING LOCATED ABOVE FIRST FLOOR CEILING.

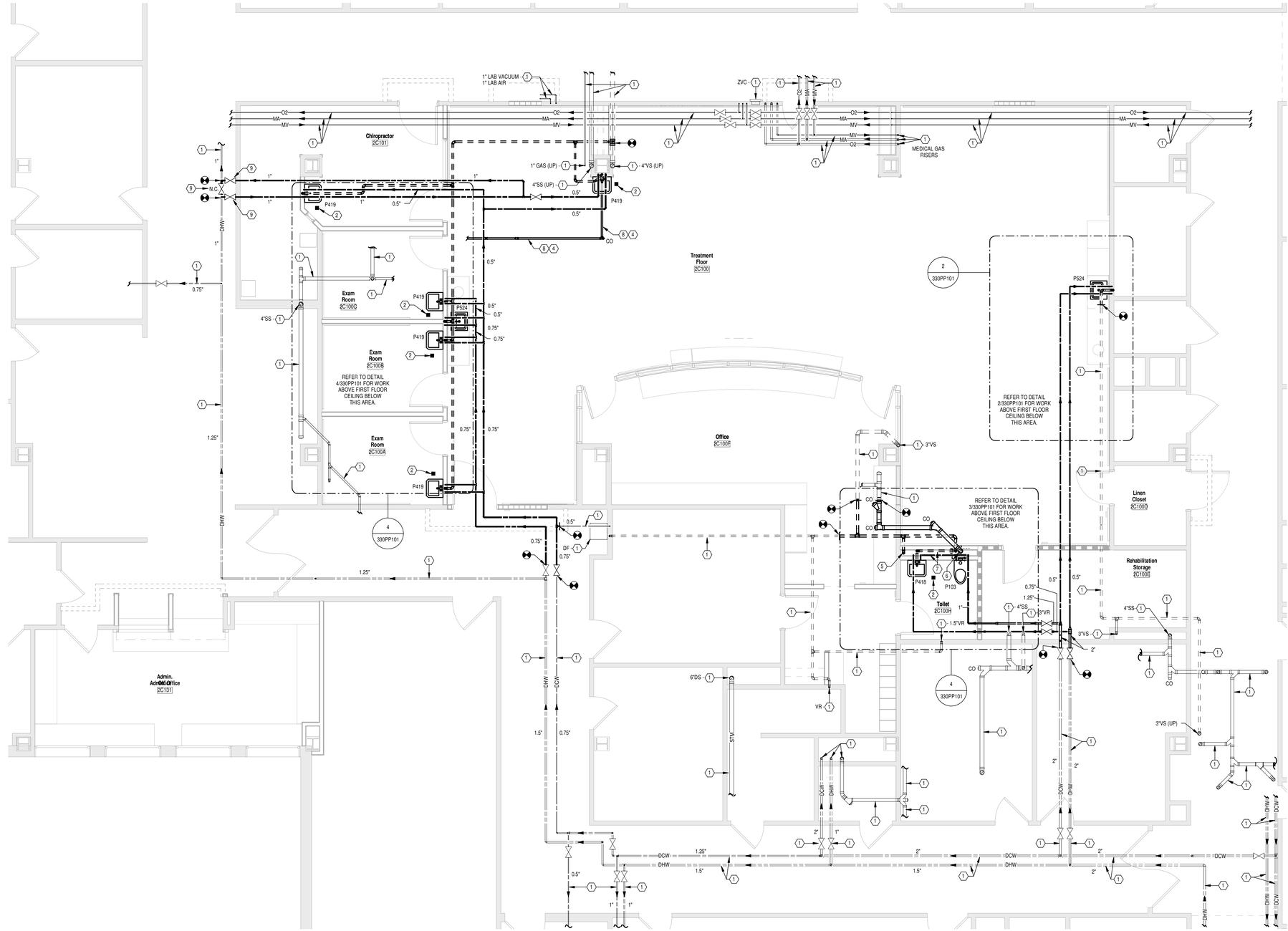
5 EXTEND RELOCATED 3"VR FROM FIRST FLOOR TO ABOVE SECOND FLOOR CEILING IN NEW PLUMBING CHASE.

6 EXTEND RELOCATED 4"SS FROM ABOVE SECOND FLOOR, THROUGH NEW CARRIER, TO FIRST FLOOR BELOW IN NEW PLUMBING CHASE.

7 PIPING LOCATED IN PLUMBING CHASE/WALL ABOVE FLOOR SLAB.

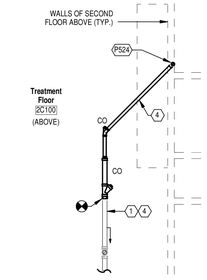
8 REFER TO DETAIL 4/330PP101 FOR CONTINUATION OF SANITARY PIPING LOCATED ABOVE FIRST FLOOR CEILING BELOW.

9 PROVIDE SHUT-OFF VALVES ON EXISTING AND NEW DHW MAINS TO FACILITATE INSTALLATION OF NEW DHW MAIN WITH MINIMAL DISRUPTION TO EXISTING DHW MAIN.



2 PARTIAL FIRST FLOOR PLAN - NEW WORK

SCALE: 1/4" = 1'-0"



3 PARTIAL FIRST FLOOR PLAN - NEW WORK

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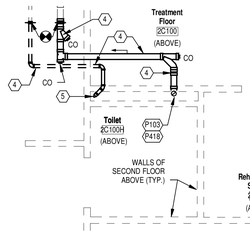
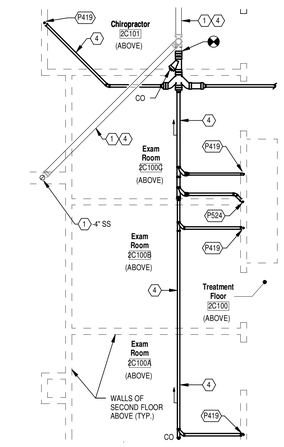


4 PARTIAL FIRST FLOOR PLAN - NEW WORK

SCALE: 1/4" = 1'-0"



PARTIAL SECOND FLOOR PLAN - NEW WORK

Scale: 1/4" = 1'-0"

N PROJECT

F.F.E. = 986.35'

Revisions	Date

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Drawing Title: PARTIAL SECOND FLOOR PLAN - NEW WORK

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330PP101

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

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DRAWING SYMBOLS

2 / H4 — DETAIL NUMBER / DRAWING NUMBER WHERE DRAWN

A / H7 — SECTION LETTER / DRAWING NUMBER WHERE DRAWN

BUILDING NO. WHERE EQUIPMENT IS LOCATED.
EQUIPMENT ABBREVIATION (SUPPLY FAN)

1-SF3 — SUPPLY FAN NO.3 IN BUILDING NO.1

TYPICAL UNIT NO.

1-01 — TERMINAL UNIT DESIGNATION / AIR HANDLING UNIT NUMBER

DUCTWORK SYMBOLS

UP DN — SUPPLY DUCT (UP & DOWN)

UP DN — RETURN DUCT (UP & DOWN)

UP DN — EXHAUST DUCT (UP & DOWN)

CEILING DIFFUSERS (FOUR WAY BLOW UNLESS OTHERWISE NOTED)

EXHAUST OR RETURN CEILING REGISTER OR GRILLE

SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)

EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE, (WALL TYPE)

EXHAUST OR RETURN TOP REGISTER OR GRILLE, (WALL TYPE)

VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF

R — INCLINED RISE, IN DIRECTION OF AIR FLOW

D — INCLINED DROP, IN DIRECTION OF AIR FLOW

FC — FLEXIBLE CONNECTION

VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)

STANDARD RADIUS ELBOW

10/8 — NEW DUCT - WIDTH X DEPTH

STAINLESS STEEL DUCT

ACOUSTICAL DUCT LINING

MANUAL VOLUME DAMPER

FIRE DAMPER

BOD: 9'-6" — APPROXIMATE ELEVATION FROM FLOOR TO BOTTOM OF LISTED SIZE OF DUCT, DEVICE OR EQUIPMENT ITEM. (TO BE USED AS AN AID IN COORDINATING THE VARIOUS TRADES.)

U/C — DOOR UNDERCUT BY GENERAL CONTRACTOR

PIPING SYMBOLS

HEATING

HWS — HEATING HOT WATER SUPPLY

HWR — HEATING HOT WATER RETURN

GENERAL

M — FLOW METER

DIRECTION OF PIPE PITCH (DOWN)

DIRECTION OF FLOW

PIPE ANCHOR

PIPE GUIDE

REDUCER OR INCREASER

ECCENTRIC REDUCER

TOP CONNECTION, 45 DEG. OR 90 DEG.

BOTTOM CONNECTION, 45 DEG. OR 90 DEG.

SIDE CONNECTION

CAPPED OUTLET

RISE OR DROP IN PIPE

UNION

ORIFICE UNION

PIPE UP

PIPE DOWN

POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK.

INVERTED BUCKET TRAP SET INCLUDING PIPING ACCESSORIES (SEE STANDARD DETAIL)

FLOAT AND THERMOSTATIC TRAP SET INCLUDING PIPING ACCESSORIES (SEE STANDARD DETAIL)

THERMOSTATIC TRAP

STRAINER

THERMOMETER

PRESSURE GAGE

EXISTING PIPE TO BE REMOVED

TEST PLUG (PRESSURE/TEMPERATURE)

ET — EXPANSION TANK PIPE

T — PIPE MOUNTED DDC TEMPERATURE SENSOR

VALVES

GATE VALVE

GLOBE VALVE

C — GATE VALVE WITH 3/4" HOSE END ADAPTER

CHECK VALVE

ANGLE GLOBE VALVE

BUTTERFLY VALVE

BALL VALVE

COMBINATION BALANCING/SHUT-OFF VALVE

CIRCUIT SETTER

STRAIGHT-THRU MODULATING CONTROL VALVE

STRAIGHT-THRU TWO-POSITION CONTROL VALVE

THREE-WAY MODULATING CONTROL VALVE

MANUAL AIR VENT

CONTROLS

T H — ROOM CONTROL: THERMOSTAT, HUMIDISTAT

T — REMOTE BULB THERMOSTAT

T — DUCT OR PIPE THERMOSTAT (NOTE 1: PROVIDE 12" MIN. LENGTH IN DUCT WHEN SPACE PERMITS)

T — DUCT THERMOSTAT WITH AVERAGING ELEMENT

T H — ROOM SENSOR: TEMPERATURE, HUMIDITY

T — DUCT OR PIPE TEMP. SENSOR

H — DUCT HUMIDITY SENSOR

SP — DUCT STATIC PRESSURE SENSOR

T — DUCT TEMPERATURE SENSOR WITH AVERAGING ELEMENT

FS — SMOKE DETECTOR (SEE ELECTRICAL SPECIFICATIONS)

H1 N — CONTROL CIRCUIT CONN.

dP — DIFFERENTIAL PRESSURE SWITCH

DP SP — DIFFERENTIAL OR STATIC PRESSURE TRANSMITTER

CS — CURRENT SENSING RELAY

ABBREVIATIONS

AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMPERATURE CONTROLS
BG	BOTTOM GRILLE (WALL TYPE)
BHP	BRAKE HORSEPOWER
BIW	BACKWARD INCLINED WHEEL (FAN)
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CC	COOLING COIL
CD	CEILING DIFFUSER
CF	CENTRIFUGAL FAN
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
C.O.R.	CONTRACTING OFFICER'S REPRESENTATIVE
CR	CEILING REGISTER
CUH	CABINET UNIT HEATER
CW	COLD WATER (POTABLE)
D	AUTOMATIC CONTROL DAMPER
Db	DRY BULB TEMPERATURE, DEG. F
DB	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DI	DIGITAL INPUT
DIA	DIAMETER
DO	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SENSOR
DX	DIRECT EXPANSION
E.A.	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ENT	ENTERING
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EX.	EXISTING
F	FAHRENHEIT
FC	FLEXIBLE CONNECTION
FCW	FOWARD CURVED WHEEL (FAN)
FD	FLOOR DRAIN
F&T	FLOAT AND THERMOSTATIC

ABBREVIATIONS

FLR.	FLOOR
FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HD	HEAD
HP	HORSEPOWER
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
ICF	IN-LINE CENTRIFUGAL FAN
IN	INCHES
IN WC	INCHES WATER COLUMN
IN WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MCA	MINIMUM BRANCH CIRCUIT AMPACITY
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MV	MANUAL AIR VENT
NC	NOISE CRITERIA
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NOM	NOMINAL
O.A.	OUTSIDE AIR
OD	OUTSIDE DIAMETER
P	PUMP
PD	PRESSURE DROP (FEET OF WATER)
PEF	PROPELLER TYPE EXHAUST FAN
PF	PRE-FILTER
PH	PREHEAT COIL
PRV	PRESSURE REDUCING VALVE
R.A.	RETURN AIR
RF	RETURN FAN
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
S.A.	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SD	SMOKE DETECTOR
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SF	SUPPLY FAN
S.P.	STATIC PRESSURE (INCHES OF WATER)
SP. GR.	SPECIFIC GRAVITY
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SWSI	SINGLE WIDTH SINGLE INLET (FAN)
TG	TOP GRILLE (WALL TYPE)
TG	TRANSFER GRILLE
TR	TOP REGISTER (WALL TYPE)
TSTAT	THERMOSTAT
TSP	TOTAL STATIC PRESSURE
U/C	DOOR UNDERCUT BY GENERAL CONTRACTOR
UH	UNIT HEATER
V	VALVE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS
Wb	WET BULB TEMPERATURE, DEG. F
W.B.E.	WHITE BAKED ENAMEL
WF	WATER FILTER
WG	WATER GAUGE

GENERAL NOTES

1 ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.

2 THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.

3 ACCESS PANELS IN NON ACCESSIBLE SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. ACCESS PANELS SHALL BE FURNISHED AND INSTALLED UNDER THE ARCHITECTURAL SPECIFICATIONS.

4 TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.

5 DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.

6 REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.

7 WHERE DUCTS OR PIPES ARE REMOVED THRU WALL/FLOOR/ROOF THAT IS TO REMAIN, PATCH WALL/FLOOR/ROOF OPENING TO MATCH EXISTING WHERE OPENING IS NOT RE-USED.

8 ALL CUTTING AND PATCHING REQUIRED FOR THE HVAC WORK SHALL BE INCLUDED IN THE HVAC CONTRACT. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING.

9 IN GENERAL, KEEP DUCT AND PIPING MAINS NEXT TO UNDERSIDE OF STRUCTURE.

10 ANNULAR SPACE OF ALL PIPE, CONDUIT, DUCT & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOORS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.

11 UPON THE DISCOVERY OF ANY ASBESTOS MATERIAL, STOP WORK IMMEDIATELY AND REPORT IT TO THE C.O.R. THE C.O.R. WILL NOTIFY CONTRACTOR WHEN WORK IS SAFE TO PROCEED.

12 ANY REMOVED EQUIPMENT SHALL BE TURNED OVER TO THE VA. ITEMS NOT DESIRED BY THE VA SHALL BE REMOVED FROM THE PREMISES AND DISPOSED OF PROPERLY BY THE CONTRACTOR.

13 MEASUREMENTS FOR COORDINATION DRAWINGS SHALL TAKE PLACE OUTSIDE OF NORMAL WORKING HOURS (0700-1700).

14 THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.

15 FIELD VERIFY EXISTING CONDITIONS, INCLUDING DUCT, PIPE AND EQUIPMENT SIZES, SERVICES AND LOCATIONS PRIOR TO PERFORMING WORK.

16 HEPA FILTERED EXHAUST IS REQUIRED TO MAINTAIN A MINIMUM OF 0.01" W.G. NEGATIVE PRESSURE IN CONSTRUCTION AREAS. COORDINATE WITH GENERAL CONTRACTOR AND C.O.R.

17 ALL ABANDONED EXTRANEOUS PIPING, DUCTWORK, SUPPORTS, CONTROLS, ETC. SHALL BE REMOVED.

18 WHERE CONTROL DEVICES ARE REMOVED, PNEUMATIC LINES SHALL BE REMOVED BACK TO MAIN AND CAPPED, AND CONTROL WIRING AND CONDUIT SHALL BE REMOVED BACK TO SOURCE.

19 ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, ETC. SHOWN DASHED SHALL BE REMOVED. THE MAJORITY OF WORK TO BE REMOVED IS SHOWN. REMOVE ALL INCIDENTAL ABANDONED DUCTWORK, PIPING, ETC., THAT MAY NOT BE SHOWN BUT IS ASSOCIATED WITH THE REMOVAL WORK.

20 INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.

21 REFER TO ARCHITECTURAL FIRE-RATED PARTITION PLAN ON SHEET G101 FOR LOCATIONS AND FIRE-RATINGS OF NEW AND EXISTING WALL ASSEMBLIES. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AND/OR FIRE-STOPPED AS REQUIRED TO MAINTAIN FIRE-RATINGS INDICATED. GC SHALL COORDINATE ALL TRADES TO ENSURE FIRE-RATED PENETRATION REQUIREMENTS AND DETAILS ARE MET.

22 WHERE EXISTING HVAC UTILITIES IN SERVICE WILL BE DISRUPTED DURING THE CONSTRUCTION OF THIS PROJECT, THIS WORK SHALL BE PERFORMED ON WEEKENDS OR WEEK NIGHTS, IF REQUIRED BY THE C.O.R. DOWNTIME SHALL BE KEPT TO A MINIMUM, AND SHALL BE COORDINATED AND SCHEDULED WELL IN ADVANCE WITH THE C.O.R.

DRAWING INDEX - HVAC

SHEET	DESCRIPTION
330M001	INDEX, LEGEND AND GENERAL NOTES
330M501	DETAILS
330M601	SCHEDULES
330M701	CONTROLS AND AUTOMATION
330MD101	SECOND FLOOR REMOVALS
330MH101	SECOND FLOOR NEW WORK

Revisions	Date

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Drawing Title: INDEX, LEGEND AND GENERAL NOTES

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330M001

Dwg. of

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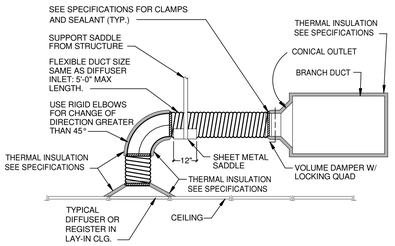
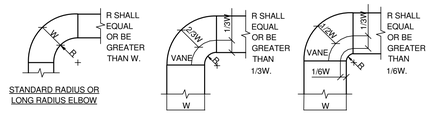


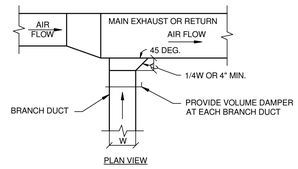
FLEXIBLE AIR DUCT CONNECTOR



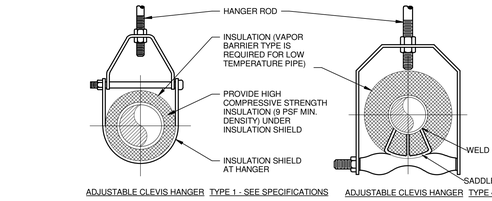
NOTES:

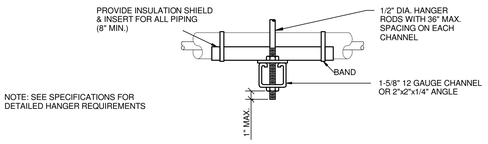
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

DUCTWORK RADIUS ELBOWS



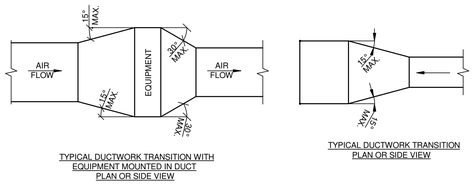
EXHAUST OR RETURN BRANCH DUCTWORK





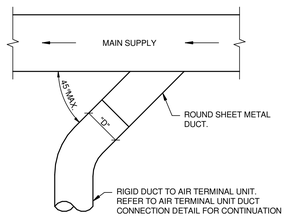
MAXIMUM PIPE/TUBING SUPPORT SPACING																		
NOM. SIZE IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE FT.	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
TUBING FT.	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																		

PIPE HANGERS

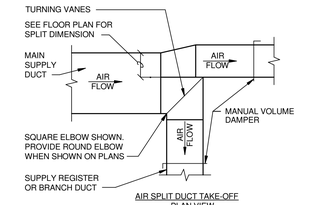


NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

DUCTWORK TRANSITIONS

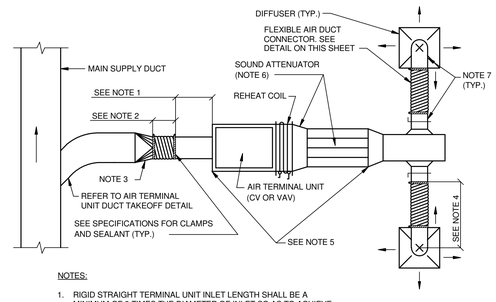


SUPPLY DUCT TAKEOFF - AIR TERMINAL UNITS



THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME, AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES

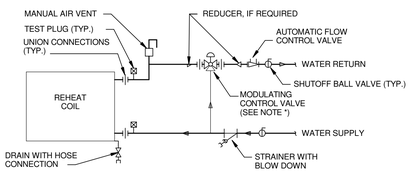
SUPPLY DUCTWORK TAKE-OFFS DOWNSTREAM OF AIR TERMINAL UNITS



NOTES:

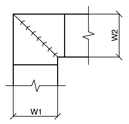
1. RIGID STRAIGHT TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET SO AS TO ACHIEVE ACCURATE AIRFLOW SENSOR READINGS.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO THIS BOX, BUT ALLOWED TO ACCOMMODATE MINOR OFFSETS. MAXIMUM LENGTH 3'-0".
3. PROVIDE DUCT TRANSITION WHERE SCHEDULED DUCT RUNOUT SIZE TO UNIT IS DIFFERENT THAN TERMINAL UNIT INLET SIZE.
4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0". USE RIGID ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 45°.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION W/VAPOR BARRIER FOR CONNECTING DUCT SECTIONS.
6. PROVIDE SOUND ATTENUATOR. PROVIDE DUCT TRANSITION BETWEEN TERMINAL UNIT AND SOUND ATTENUATOR WHERE ATTENUATOR SIZE DIFFERS FROM TERMINAL UNIT OUTLET SIZE.
7. DUCT RUNOUT TO DIFFUSERS SHALL BE SAME SIZE AS THE DIFFUSER NECK SIZE UNLESS OTHERWISE NOTED.

DUCT CONNECTIONS-AIR TERMINAL UNITS



* REFER TO AIR TERMINAL UNIT SCHEDULE ON SHEET 330M601 FOR VALVE TYPE (2-WAY OR 3-WAY)

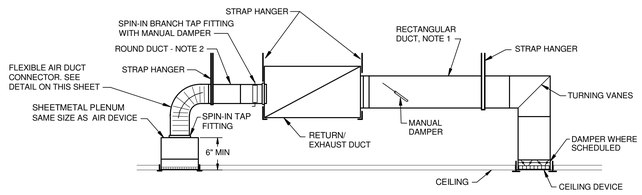
AIR TERMINAL UNIT - PIPING CONNECTIONS



NOTES:

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W1 EQUALS W2 AND W1 IS GREATER THAN 20", VANES SHALL BE DOUBLE VANE TYPE.

DUCTWORK SQUARE VANE ELBOWS



NOTES:

1 BRANCH DUCT TAKE-OFF WITH MANUAL DAMPER.

2 BRANCH DUCT SIZES, UNLESS NOTED ON PLANS ARE TO BE SIZED AS FOLLOWS:
100 CFM AND LESS - 6" DIA.
101 CFM TO 250 CFM - 8" DIA.
251 CFM TO 400 CFM - 10" DIA.
401 CFM TO 700 CFM - 12" DIA.

RETURN OR EXHAUST GRILLE/REGISTER CONNECTION

Revisions	Date

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Drawing Title: DETAILS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330M501

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AIR TERMINAL UNIT SCHEDULE

UNIT NO.	CFM			APPROX. INLET SIZE (IN.)	DUCT RUNOUT SIZE TO UNIT (IN.) (1)	UNIT MAX. SP AT MAX. CFM (2)	SOUND REQUIREMENTS		HOT WATER HEATING COIL								CONTROL TYPE (6)
	MAX.	WINTER MIN.	SUMMER MIN.				SP ACROSS UNIT AT MAXIMUM ROOM NC	MAX. ROOM NC (3) (4)	ENT. AIR TEMP. F°	ENT. WATER TEMP. F°	GPM	MAX. WATER P.D. FT. HD.	PIPE RUNOUT SIZE TO COIL	AUTO VALVE Cv	AUTO VALVE TYPE	MIN. MBH (5)	
13-1	975	490	150	12	12	0.5"	3.0"	35	55	180	1.5	2	0.75"	0.7	2-WAY	21	V.V.R
13-12	230	115	35	6	6	0.5"	3.0"	35	55	180	0.4	2	0.75"	0.2	2-WAY	5	V.V.R
13-25	770	385	120	9	9	0.5"	3.0"	35	55	180	1.2	2	0.75"	0.6	2-WAY	17	V.V.R
13-29	320	320	320	6	6	0.5"	3.0"	35	55	180	1.0	2	0.75"	0.2	2-WAY	14	C.V.R
13-35	1195	600	180	12	12	0.5"	3.0"	35	55	180	1.8	2	0.75"	0.8	2-WAY	26	V.V.R
13-37	405	205	65	7	7	0.5"	3.0"	35	55	180	0.6	2	0.75"	0.3	2-WAY	9	V.V.R

NOTES :
1 PROVIDE DUCT TRANSITION AT UNIT INLET WHERE UNIT INLET SIZE AND DUCT RUNOUT SIZE ARE DIFFERENT.
2 THE UNIT MAXIMUM SP IS THE PRESSURE DIFFERENCE BETWEEN THE UNIT INLET AND DISCHARGE INCLUDING REHEAT COIL AND SOUND ATTENUATOR. IT IS ALSO THE MINIMUM PRESSURE REQUIRED AT THE UNIT INLET TO OBTAIN THE RATED CFM.
3 PROVIDE INTEGRAL SOUND ATTENUATOR.
4 UNIT NOISE LEVEL SELECTION SHALL NOT EXCEED A ROOM NC OF 35 FROM BOTH AIRBORNE AND RADIATED NOISE, BASED ON A 10 DB ROOM ABSORPTION COFFICIENT (REFERENCE 10 [-12] WATTS) WITH 3" S.P. DIFFERENTIAL ACROSS UNIT AT MAXIMUM CFM SETTING.
5 HEATING COIL CAPACITY BASED ON WINTER MINIMUM CFM.
6 CONTROL TYPES: V.V.R.: VARIABLE VOLUME REHEAT TERMINAL; C.V.R.: CONSTANT VOLUME REHEAT TERMINAL

AIR DISTRIBUTION DEVICES

SYMBOL	DESCRIPTION	TYPE MOUNTING		MATERIAL		FINISH		ACCESSORIES	SEE NOTE
		LAY-IN	SURFACE	STEEL	ALUM.	E.C.L.	W.B.E.		
CD1	STANDARD SQ. PLAQUE CEILING DIFFUSER ROUND NECK	∘		∘			∘		
CG1	EGGCRATE CEILING GRILLE	∘			∘		∘		
CR1	EGGCRATE CEILING REGISTER	∘			∘		∘	OPPOSED BLADE DAMPER	
TR1	ADJUSTABLE BLADE SUPPLY REGISTER		∘	∘			∘	OPPOSED BLADE DAMPER	1

NOTES:
1 DOUBLE DEFLECTION TYPE, HORIZONTAL FRONT BLADES.

DUCT PRESSURE CLASS & LEAKAGE TABLE

SYSTEM	DUCT INVOLVED	POSITIVE (P) OR NEGATIVE (N) PRESSURE	SMACNA CONST. CLASS W.G.	SMACNA SEAL CLASS	SMACNA LEAKAGE CLASS	
					RECTANGULAR DUCT	ROUND DUCT
ALL SYSTEMS	ALL DUCTWORK EXCEPT AS LISTED BELOW.	P/N	± 2"	A	6	3
	SUPPLY AIR DUCTS FROM OUTLET OF AH-UNIT TO INLET OF AIR TERMINAL UNITS.	P	4"	A	6	3
	SUPPLY AIR DUCTS FROM OUTLET OF AIR TERMINAL UNITS TO SUPPLY AIR DEVICES	P	1"	A	6	3
	RETURN AIR DUCTS	N	-2"	A	6	3
	GENERAL EXHAUST DUCTS	N	-2"	A	6	3

HVAC DESIGN DATA

OUTDOOR DESIGN TEMPERATURES– 90.3 DEG. F Db SUMMER; 73.6 DEG. F Wb SUMMER; 0.6 DEG. F Db WINTER — DESIGN ALTITUDE: 1004 FT.

INDOOR AREA DESIGN CONDITIONS	SUMMER		WINTER	
	Db (°F)	% HUMIDITY	Db (°F)	% HUMIDITY
BATHROOMS & TOILET ROOMS	-	-	68	20
OFFICES	75	60	70	20
EXAM ROOMS	75	60	70	20
ALL OTHER AREAS	75	60	70	20

Revisions | Date

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Drawing Title: SCHEDULES

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330M601

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CONTROLS GENERAL NOTES

1 A COMPLETE SYSTEM OF AUTOMATIC TEMPERATURE CONTROLS SHALL BE INSTALLED UNDER THIS CONTRACT AS REQUIRED TO ACCOMPLISH THE SEQUENCE OF CONTROL AS DESCRIBED HEREINAFTER. THE SYSTEM SHALL BE A DIRECT DIGITAL CONTROL SYSTEM UTILIZING ELECTRIC ACTUATION. SYSTEM TO INCLUDE NEW BUILDING CONTROLLER.

2 ELECTRICAL WORK INCLUDES A POWER SOURCE TO THE NEW BUILDING CONTROLLER. ALL HVAC POWER SOURCES REQUIRED BEYOND THE SOURCE EXPLICITLY SHOWN ON THE ELECTRICAL DRAWINGS, SHALL BE PROVIDED UNDER THE ATC WORK. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO WIRING, CONDUIT, TRANSFORMERS, RELAYS AND FUSES.

CVR & VVR CONTROL SEQUENCES WITHOUT OCCUPANCY SENSING

1 CONSTANT VOLUME REHEAT TERMINAL CONTROL

1.1 WHEN ROOM TEMPERATURE AT T-1 IS BELOW SETPOINT, HOT WATER VALVE V-1 SHALL MODULATE OPEN TO COIL TO MAINTAIN TEMPERATURE SETPOINT. BOX DAMPER D-1 SHALL REMAIN AT CONSTANT MAXIMUM CFM.

1.2 EACH TERMINAL UNIT SHALL INCLUDE AN AIRFLOW SENSOR FOR CALCULATING CFM, AND A DISCHARGE AIR TEMPERATURE SENSOR.

1.3 EXTEND 24 VOLT POWER TO THE TERMINAL BOX CONTROLLER FROM THE NEW DDC CONTROL PANEL.

1.4 ROOM SPACE TEMPERATURE SET POINT SHALL BE ADJUSTABLE FROM THE FRONT END COMPUTER INTERFACE.

1.5 COORDINATE AND ADJUST OCCUPANCY SCHEDULES AND TEMPERATURE RANGE WITH C.O.R.

2 VARIABLE VOLUME REHEAT TERMINAL CONTROL

2.1 WHEN ROOM TEMPERATURE AT T-1 IS BELOW SETPOINT, THE CONTROL DAMPER ACTUATOR D-1 SHALL MODULATE THE DAMPER TO REDUCE AIRFLOW TO THE SUMMER MINIMUM SETTING. ON A FURTHER DROP IN ROOM TEMPERATURE AT T-1, THE CONTROL DAMPER SHALL BE MODULATED UPWARD TO THE WINTER MINIMUM AIRFLOW AND THE HOT WATER VALVE V-1 SHALL MODULATE OPEN TO COIL TO MAINTAIN TEMPERATURE SETPOINT.

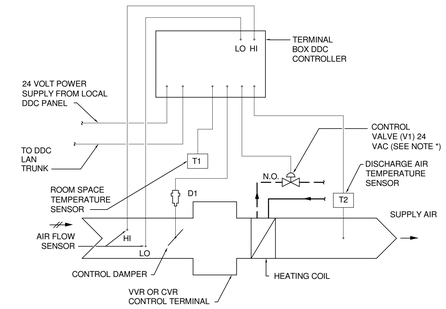
2.2 AS ROOM TEMPERATURE RISES ABOVE SETPOINT, HOT WATER VALVE V-1 SHALL CLOSE. IF THE ROOM TEMPERATURE CONTINUES TO RISE ABOVE SETPOINT, DAMPER D-1 SHALL MODULATE FROM SUMMER (COOLING) MINIMUM AIRFLOW TO MAXIMUM AIRFLOW TO MAINTAIN ROOM TEMPERATURE.

2.3 EACH TERMINAL UNIT SHALL INCLUDE AN AIRFLOW SENSOR FOR CALCULATING CFM, AND A DISCHARGE AIR TEMPERATURE SENSOR.

2.4 EXTEND 24 VOLT POWER TO THE TERMINAL BOX CONTROLLER FROM THE NEW DDC CONTROL PANEL.

2.5 ROOM SPACE TEMPERATURE SET POINT SHALL BE ADJUSTABLE FROM THE FRONT END COMPUTER INTERFACE.

2.6 COORDINATE AND ADJUST OCCUPANCY SCHEDULES AND TEMPERATURE RANGE WITH C.O.R.



CVR AND VVR TERMINAL CONTROLS

* REFER TO FLOOR PLANS FOR NEW BUILDING CONTROLLER LOCATION.

Revisions	Date

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Drawing Title: CONTROLS AND AUTOMATION

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330M701
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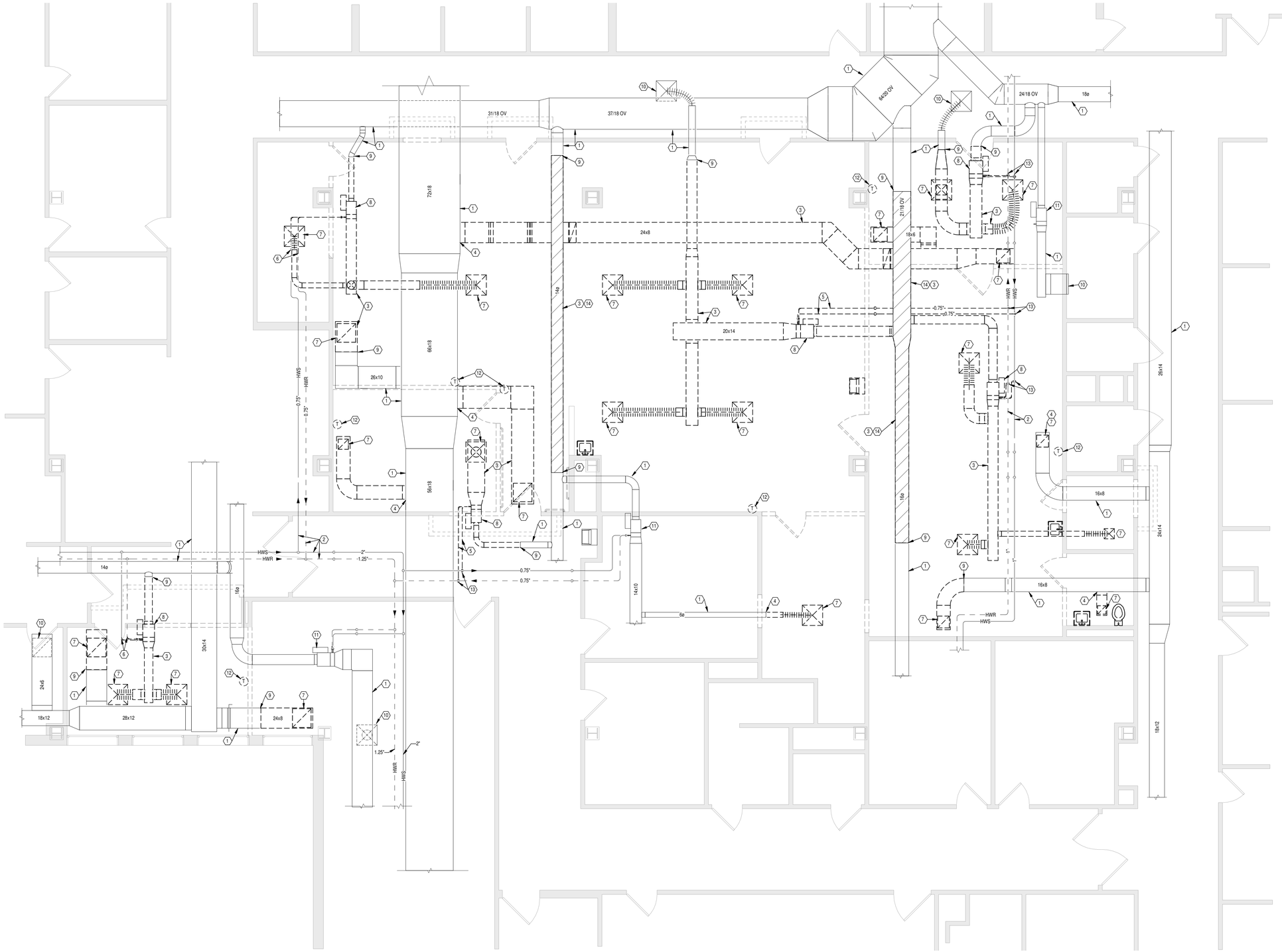

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GENERAL NOTES

A REFER TO SHEET 330M001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

NOTES

1 EXISTING DUCTWORK TO REMAIN.

2 EXISTING PIPING TO REMAIN.

3 REMOVE EXISTING DUCTWORK AND ASSOCIATED DAMPERS, SUPPORTS, ETC.

4 REMOVE EXISTING DUCT TO THIS POINT AND CAP.

5 REMOVE EXISTING PIPING AND ASSOCIATED VALVES, HANGERS, ETC.

6 REMOVE EXISTING PIPING TO THIS POINT FOR RECONNECTION IN NEW WORK.

7 REMOVE EXISTING AIR DEVICE AND ASSOCIATED DUCTWORK, SUPPORTS, ETC.

8 REMOVE EXISTING AIR TERMINAL UNIT AND ASSOCIATED PIPING, DUCTWORK, CONTROLS, ETC.

9 REMOVE EXISTING DUCT TO THIS POINT FOR RECONNECTION IN NEW WORK.

10 EXISTING AIR DEVICE TO REMAIN.

11 EXISITNG AIR TERMINAL UNIT TO REMAIN.

12 REMOVE EXISTING THERMOSTAT AND ASSOCIATED WIRING, TUBING, ETC.

13 REMOVE PIPING BACK TO THIS POINT AND CAP.

14 REPLACEMENT OF THIS DUCT SHALL TAKE PLACE OUTSIDE OF NORMAL BUSINESS HOURS. COORDINATE WITH C.O.R.

N

PROJECT

SECOND FLOOR REMOVALS

Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: SECOND FLOOR REMOVALS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330MD101

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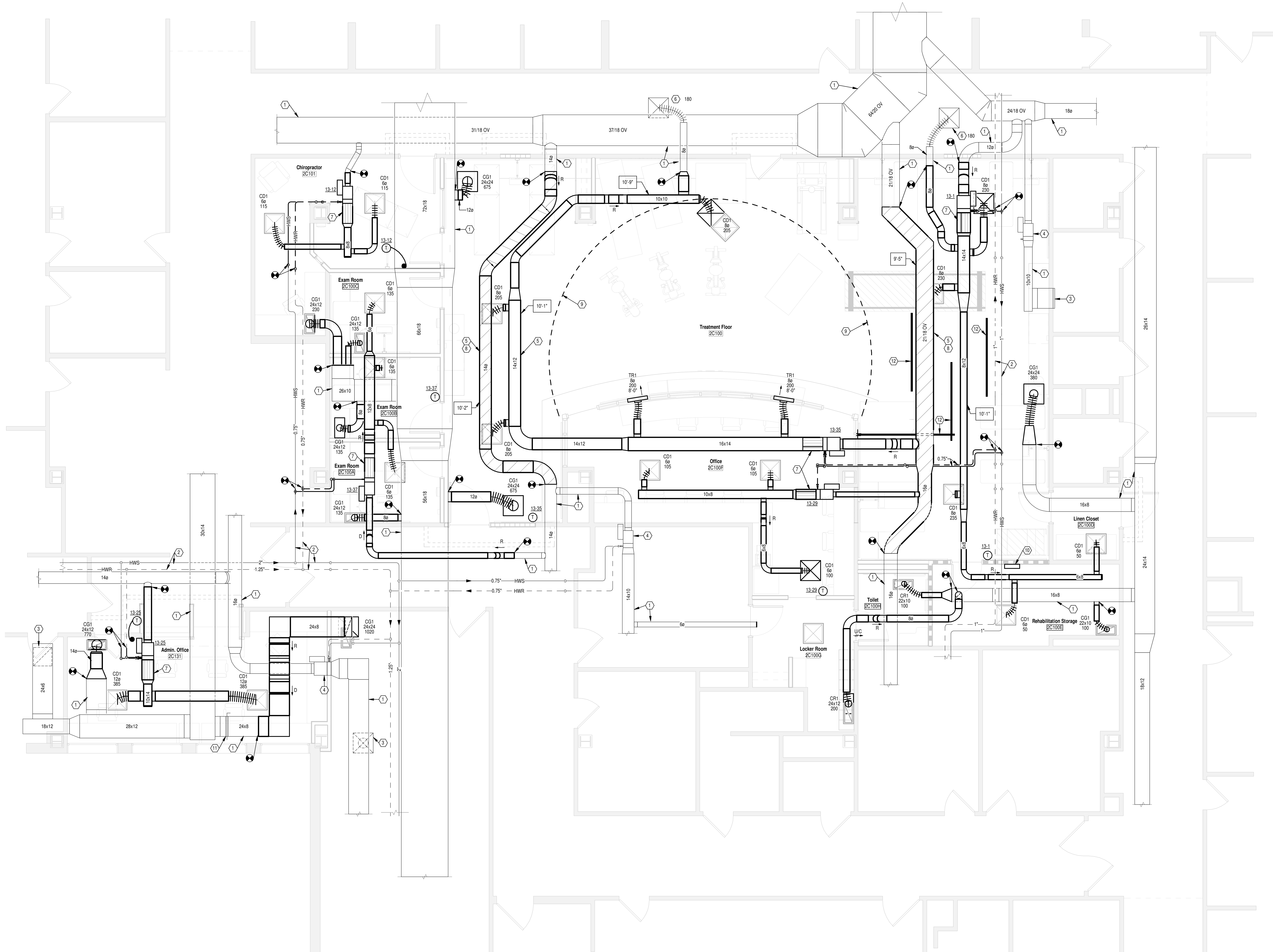
GENERAL NOTES

A REFER TO SHEET 330M001 FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES.

NOTES

1. EXISTING DUCTWORK TO REMAIN.
2. EXISTING PIPING TO REMAIN.
3. EXISTING AIR DEVICE TO REMAIN.
4. EXISTING AIR TERMINAL UNIT TO REMAIN.
5. OFFSET DUCTWORK AS REQUIRED FOR HIGH CEILINGS.
6. BALANCE EXISTING AIR DEVICE TO INDICATED CFM.
7. PROVIDE INTEGRAL SOUND ATTENUATOR WITH AIR TERMINAL UNIT.
8. REPLACEMENT OF THIS DUCT SHALL TAKE PLACE OUTSIDE OF NORMAL BUSINESS HOURS. COORDINATE WITH C.O.R.
9. OUTLINE OF 10'-0" CEILING.
10. NEW BUILDING CONTROLLER. COORDINATE LOCATION WITH C.O.R.
11. EXISTING MANUAL DAMPER TO REMAIN.
12. PATIENT LIFT TRACK. REFER TO SHEET A101.



SECOND FLOOR NEW WORK

Scale: 1/4" = 1'-0"

N PROJECT

Revisions	Date

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Drawing Title: SECOND FLOOR NEW WORK

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: DLE | Drawn: WJS

Project No.: VA Project No. 552-13-101; JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330MH101

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ELECTRICAL SYMBOLS

3 $	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
3 $	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
GF	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
WP	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH STANDARD COVER, VERTICAL MOUNT.
WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH STANDARD COVER, VERTICAL MOUNT.
EM	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
IG	20A-125V POWERLOCK GROUNDING TYPE RECEPTACLE, HOSPITAL USE (66" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX PEDESTAL TYPE FLOOR RECEPTACLE, NEMA 5-20R, IN FLOOR BOX WITH SA-2525 COVERPLATE AND SC-3091 HOUSING. PROVIDE CARPET FLANGE WHERE REQUIRED.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
J	JUNCTION BOX.
$	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
2 $	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
3 $	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
4 $	FOUR-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
P $	SWITCH WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
K $	KEY OPERATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
DM $	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
J	DISCONNECT SWITCH.
	MOTOR STARTER.
J	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.
UH	UNIT HEATER.
FC	FAN COIL.
AC	AIR CONDITIONER.
CU	CONDENSING UNIT.
UV	UNIT VENTILATOR.
M	INTERCOM SYSTEM DESK MOUNTED MASTER CONTROL STATION. SUBSCRIPT "M" INDICATES WALL MOUNT (46" MH UNLESS NOTED OTHERWISE).
I	INTERCOM STAFF STATION (46" MH UNLESS NOTED OTHERWISE).
H	INTERCOM HORN TYPE SPEAKER (84" MH UNLESS NOTED OTHERWISE).
S	INTERCOM SPEAKER FLUSH MOUNT IN CEILING.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) (120 VOLT).
OS	CEILING MOUNTED OCCUPANCY SENSOR.
DS	CEILING MOUNTED DAYLIGHT SENSOR.

FIRE ALARM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL.
15 F	FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15 F	FIRE ALARM BELL & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15 F	FIRE ALARM CHIME & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15 F	FIRE ALARM HORN & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15	FIRE ALARM SIGNALING LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
S F	CEILING MOUNTED FIRE ALARM SPEAKER.
F K	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
S	CEILING MOUNTED SMOKE DETECTOR.
R	CEILING MOUNTED HEAT DETECTOR.
S S/R	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
R S/R	DUCT MOUNTED HEAT DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
C	ELECTRIC RELEASE DOOR CLOSER.
D	ELECTRO-MAGNETIC DOOR HOLDER.
FS	WATER FLOW SWITCH.
V	VALVE SUPERVISORY SWITCH.
W R	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
SD	SMOKE DAMPER.
FT	FIRE FIGHTERS TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
PS	PRESSURE SWITCH.
AM I/C	ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL.
PIV	POST INDICATOR VALVE.
K	KNOX BOX.

LUMINAIRE SYMBOLS

A a	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

TECHNOLOGY SYMBOLS WITH ELECTRICAL REQUIREMENTS

	CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE) BY DIV 26.
AP	ABOVE CEILING WIRELESS ACCESS POINT (UNLESS NOTED OTHERWISE). BOX WITH CONDUIT CEILING BY DIV 26. WAP AND CABLE BY DIV 27.
D	WALL MOUNTED VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT(S) TO ABOVE CORRIDOR CEILING BY DIV 26. JACKS, FACEPLATE AND CABLE BY DIV 27. REFER TO FACEPLATE DETAILS.
D	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT TO ABOVE ACCESSIBLE CEILING BY DIV 26. JACKS, FACEPLATE AND CABLE BY DIV 27. REFER TO FACEPLATE DETAILS.
D X	WALL MOUNTED AV OUTLET (44" MH UNLESS NOTED OTHERWISE). BOX WITH CONDUIT BY DIV 26. REFER TO FACEPLATE DETAILS. JACKS, FACEPLATE AND CABLING BY DIV 27. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.

AV SYMBOLS

SC	CEILING MOUNTED PAGING/INTERCOM SYSTEM SPEAKER.

ABBREVIATIONS

AAP	- AREA ALARM PANEL - MEDICAL GAS
CC	- ACCESS
ADJ	- ADJUSTABLE
AF	- ARC FAULT CIRCUIT INTERUPTER
AFCI	- ARC FAULT CIRCUIT INTERUPTER
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
ATS	- AUTOMATIC TRANSFER SWITCH
BLDG	- BUILDING
BOE	- BOTTOM OF EQUIPMENT
BOT	- BOTTOM
BTWN	- BETWEEN
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	- CIRCUIT
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CTR	- CENTER
D	- DEPTH
DET	- DETAIL
DIA	- DIAMETER
DIM	- DIMENSION
DIV	- DIVISION
DN	- DOWN
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATION OR ELEVATOR
EM	- EMERGENCY
EQ	- EQUAL
EQS	- EQUIPMENT SUPPLIER
EQUIP	- EQUIPMENT
Ex/R	- EXISTING TO BE RELOCATED
EX	- EXISTING
EXP	- EXPANSION
EXT	- EXTERIOR
FCE	- FIRE CONTROL EQUIPMENT
FF	- FINISHED FLOOR ELEVATION
FLR	- FLOOR
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT	- FEET
FTG	- FOOTING
GC	- GENERAL CONTRACTOR
GF	- GROUND FAULT CIRCUIT INTERRUPTER
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFFT	- GROUND FAULT FEED THRU
HC	- HVAC CONTRACTOR (DIVISION 23)
HP	- HORSE POWER OR HIGH POINT
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
ID	- INSIDE DIAMETER
IN	- INCHES
KEC	- KITCHEN EQUIPMENT CONTRACTOR
L	- LENGTH
LBS	- POUNDS
MAP	- MASTER ALARM PANEL (MEDICAL GAS)
MAX	- MAXIMUM
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
MIN	- MINIMUM OR MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
NIC	- NOT IN CONTRACT
NOM	- NOMINAL
NTS	- NOT TO SCALE
OD	- OUTSIDE DIAMETER
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
PC	- PLUMBING CONTRACTOR (DIVISION 22)
PLBG	- PLUMBING
RAD	- RADIUS
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH-IN
S	- SURFACE MOUNTED
SC	- SECURITY CONTRACTOR
SCH	- SCHEDULE
SHT	- SHEET
SMS	- SECURITY MANAGEMENT SYSTEM
SPEC	- SPECIFICATIONS
SQ	- SQUARE
SS	- STAINLESS STEEL
STD	- STANDARD
STRUC	- STRUCTURAL OR STRUCTURE
SUC	- SITE UTILITY CONTRACTOR
TC	- TECHNOLOGY CONTRACTOR
TEMP	- TEMPERATURE
TOE	- TOP OF EQUIPMENT
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
VFD	- VARIABLE FREQUENCY DRIVE
VOL	- VOLUME
W	- WITH
W/0	- WITHOUT
WP	- WEATHERPROOF
ZVC	- ZONE VALVE CABINET

GENERAL FLOOR PLAN NOTES

B / E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 / E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
E	EXISTING WIRE & CONDUIT TO REMAIN.
X - 1.2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

DRAWING LIST

SHEET	DESCRIPTION
330E001	SYMBOLS
330E501	DETAILS AND SCHEDULES
330E601	LIGHTING FIXTURE DESCRIPTIONS AND DETAILS
330ED101	PRIMARY FLOOR - REMOVALS
330EL101	PRIMARY FLOOR - LIGHTING
330EP101	PRIMARY FLOOR - POWER
330ET101	PRIMARY FLOOR - SIGNALS

Revisions / Date

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Drawing Title: SYMBOLS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

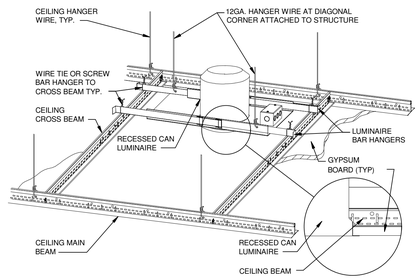
Building Number: 330

Drawing Number: 330E001

Dwg. of

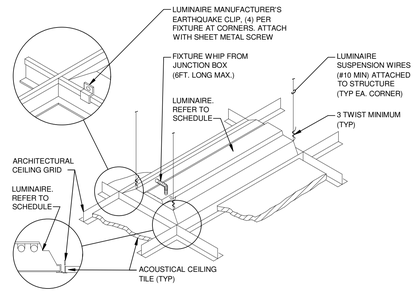
Office of Construction and Facilities Management
Department of Veterans Affairs

FULLY SPRINKLERED



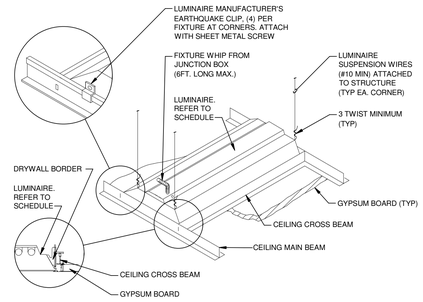
3 DOWNLIGHT MOUNTING - GYPBOARD CEILING

NTS



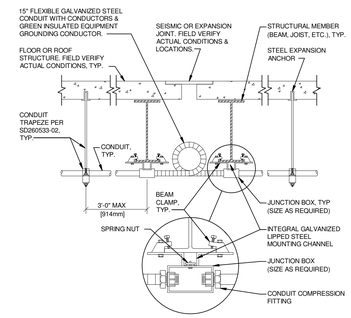
2 LUMINAIRE MOUNTING - LAY-IN CEILING

NTS



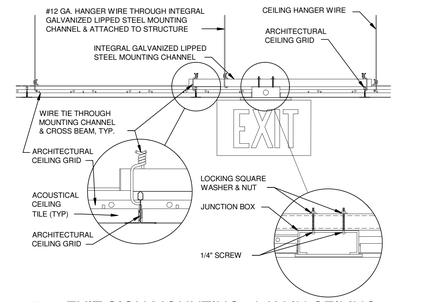
1 LUMINAIRE MOUNTING - GYPBOARD CEILING

NTS



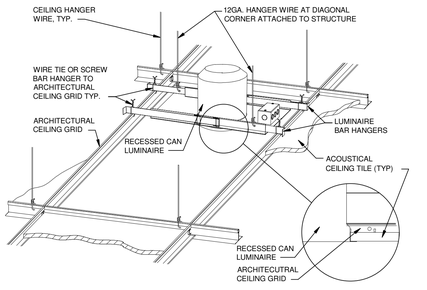
6 CONDUIT JOINT CROSSING DETAIL

NTS



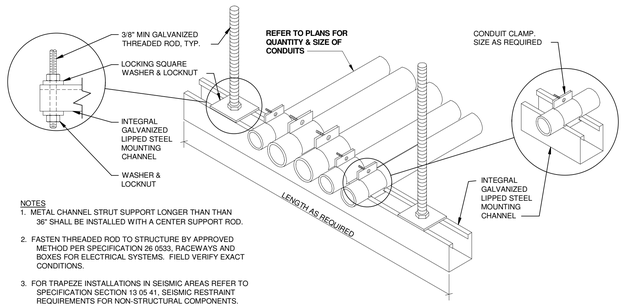
5 EXIT SIGN MOUNTING - LAY-IN CEILING

NTS



4 DOWNLIGHT MOUNTING - LAY-IN CEILING

NTS

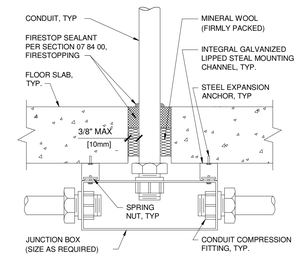


NOTES

1. METAL CHANNEL STRUT SUPPORT LONGER THAN THAN 36" SHALL BE INSTALLED WITH A CENTER SUPPORT ROD.
2. FASTEN THREADED ROD TO STRUCTURE BY APPROVED METHOD PER SPECIFICATION 26 0533, RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS. FIELD VERIFY EXACT CONDITIONS.
3. FOR TRAPEZE INSTALLATIONS IN SEISMIC AREAS REFER TO SPECIFICATION SECTION 13 05 41, SEISMIC RESTRAINT REQUIREMENTS FOR NON-STRUCTURAL COMPONENTS.

8 CONDUIT TRAPEZE MOUNTING DETAIL

NTS



7 FLOOR SLAB PENETRATION DETAIL

NTS

Revisions	Date

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Drawing Title: DETAILS AND SCHEDULES

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330E501

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs

GENERAL NOTES

A ALL WORK WILL BE DONE IN ACCORDANCE WITH THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.

B PROVIDE A SEPARATE NEUTRAL CONDUCTOR WITH EACH 20A., 120V. CIRCUIT - GROUND TOTAL SYSTEM PER NEC 250.

C ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULLWIRE PER SPECIFICATIONS.

D ALL WIRING AND CONDUIT SHALL BE INSTALLED CONCEALED IN WALL OR ABOVE LAY-IN CEILING SYSTEMS. COORDINATE ALL LOCATIONS AND ROUTES WITH OTHER TRADES PRIOR TO ROUGH-IN. REFER TO SPEC. SECTION 26 05 33.

E PROVIDE PROPER BENDING RADIUS OF NEW CONDUITS. ALL SYSTEMS CABLING AND WIRING INSTALLED UNDER THIS CONTRACT AS RECOMMENDED BY MANUFACTURERS OF EACH CABLE TYPE.

F VERIFY EXACT LOCATION OF ALL LIGHTING STANDARDS AND EQUIPMENT WITH ARCHITECT PRIOR TO ROUGH-IN.

G REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES. WHERE REFLECTED CEILING PLANS INDICATE A LARGER QUANTITY OF LIGHTING FIXTURES THAN THAT SHOWN ON THE ELECTRICAL DRAWINGS FOR A PARTICULAR SPACE, THE REFLECTED CEILING PLANS SHALL BE FOLLOWED FOR THAT SPACE.

H VERIFY EXACT LOCATION OF ALL LIGHTING FIXTURES WITH REFLECTED CEILING PLAN AND/OR ARCHITECT PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF LIGHTING FIXTURES WITH MECHANICAL DUCTS AND SPRINKLER PIPES AND HEADS BEFORE ROUGH-IN TO PREVENT CONFLICTS

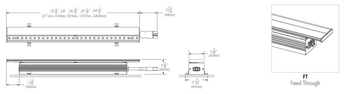
J EXACT LOCATION OF ALL DEVICES SERVING EQUIPMENT TO BE VERIFIED AT SITE WITH COR PRIOR TO ROUGH-IN.

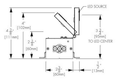
K COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL NEW ELECTRICAL DEVICES WITH THE ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN. DEVICES SHALL INCLUDE ALL NEW WORK INDICATED ON THE DRAWINGS; BUT NOT LIMITED TO POWER RECEPTACLES, TECHNOLOGY OUTLETS, LIGHTING CONTROLS AND SWITCHES, MOTOR CONTROLLERS, FIRE ALARM DEVICES, INTERCOM/PAGING DEVICES AND SECURITY/CCTV ROUGH-INS.

L BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT AND GROUND SIZING PER NEC.

A) 20A-120V CIRCUITS	B) 20A-277V CIRCUITS
1) #12 WIRE-120' LENGTH MAX.	1) #12 WIRE - 275' LENGTH MAX.
2) #10 WIRE-190' LENGTH MAX.	2) #10 WIRE - 435' LENGTH MAX.
3) # 8 WIRE-275' LENGTH MAX.	3) # 8 WIRE - 635' LENGTH MAX.
4) # 6 WIRE-435' LENGTH MAX.	4) # 6 WIRE -1000' LENGTH MAX.

M WHERE FIXTURES ARE MOUNTED IN AREAS WHERE THERE IS EXPOSED STRUCTURE, DIV 26 SHALL COORDINATE THE EXACT MOUNTING/LOCATION WITH THE STRUCTURAL SUPPORT MEMBERS AND WORK OF OTHER TRADES.





SPECIFICATION GRADE LED LIGHT STRIP.

NUMBER OF LED's: 11 PER FT

LED COLOR: COOL WHITE 4000k, CRI 80.

DIMENSIONS: 24" SECTIONS UNLESS OTHERWISE NOTED

WATTS / VOLTAGE: 5W/FT @ 24V DC

407 LUMENS/FOOT (RO VERSION)

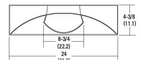
277V

FEED THROUGH OPTION FOR END-TO-END INSTALLATION.

ER1a: 12" SECTIONS

FLEXIBLE LED ROPE

E / R1



RECESS, 2-LAMP, FLUORESCENT LIGHTING TROFFER WITH CURVED LUMINOUS HIGH EFFICIENCY LENS PANEL, NOMINAL 2' X 4' IN SIZE AND APPROX 4.5" DEEP.

HOUSING: STEEL A MINIMUM OF 0.035-INCH THICK; APPROPRIATE HARDWARE FOR A MINIMUM OF (4) POINTS OF SUPPORT IN APPLICABLE CALLING SYSTEM; SUPPORT CLIPS PROVIDED FOR WIRING; SEPARATE CAPTIVE NON-TURNING STUD FOR FIXTURE GROUNDING. PROVIDE FLANGE KIT WHERE NOTED ON DRAWINGS.

OPTICS: S/MH OF 1.2, FIXTURE EFFICEINCY MINIMUM 81.3%.

LAMPS: TWO--32W, T8 RAPID START 4100K, 85 CRI FLUORESCENT.

FINISH: HOUSING, DOOR AND TRIM FRAME-BAKED WHITE ENAMEL; REFLECTING SURFACES MINIMUM OF 85% REFLECTANCE BAKED WHITE ENAMEL.

BALLAST: TWO LAMP, HPF, ELECTRONIC TYPE AS SPECIFIED, UNIVERSAL VOLTAGE (277V/120V)

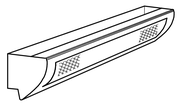
TYPE "a": SAME CONSTRUCTION AS ABOVE, EXCEPT 2'x2' IN SIZE WITH 2-17W T-8 LAMPS.

TYPE "b": SAME CONSTRUCTION AS ABOVE, EXCEPT 2'x2' IN SIZE WITH 3-17W T-8 LAMPS.

TYPE "c": SAME CONSTRUCTION AS "a", PROVIDE WITH STEP DIMMING BALLASTS

RECESSED HIGH EFFICIENCY FLUORESCENT FIXTURE

E / F1



EXTRUDED ALUMINUM HOUSING, 1 LAMP WALL BRACKET WITH PERFORATED ANGLED FRONT.

HOUSING: NOMINAL 4' LONG OF EXTRUDED ALUMINUM.

WIREWAY CHASSIS: STEEL MINIMUM 0.35: THICK, OR EXTRUDED ALUMINUM; SHALL SUPPORT LAMPHOLDERS, BALLASTS AND REFLECTOR.

FINISHES: EXTERIOR-BAKED WHITE ENAMEL; INTERIOR-MINIMUM 85% REFLECTANCE BAKED WHITE ENAMEL.

LAMPS: ONE- F32, T-8 , RAPID START 4100K FLUORESCENT, MIN 80 CRI.

BALLASTS: ONE LAMP, ELECTRONIC TYPE, 120/277 VAC

WALL MOUNTED FLUORESCENT LIGHT

E / F-18

HOUSING AND CANOPY: MARINE GRADE VINYL CLAD ALUMINUM.

DOOR FRAME: HINGED WITH ALUMINUM REINFORCED POLYCARBONATE SHIELD.

FINISH: WHITE

INSCRIPTION PANEL(S): RED L.E.D. 6" LETTERS

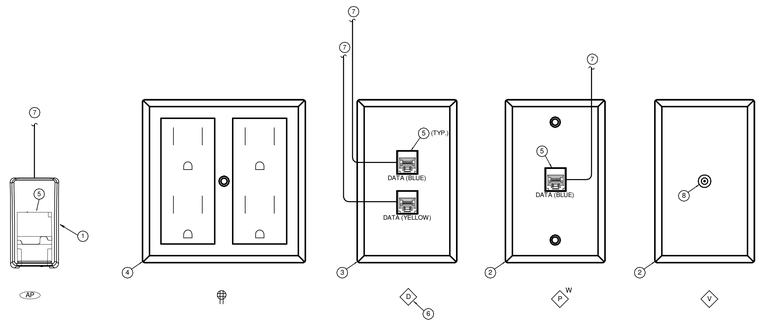
LAMPS: MULTIPLE L.E.D. LAMP ASSEMBLY WITH MINIMUM OF 20,000 HOURS LIFE.

VARIATIONS: TYPE EX2 DENOTE DOUBLE FACED FIXTURES. FURNISHED FIXTURES WITH DIRECTIONAL ARROWS WHERE SHOWN ON DRAWINGS AND WIRED FOR 120/277-VOLT OPERATION AS INDICATED.

LOCATION: CEILING MOUNT WHERE SHOWN. WALL MOUNT AT 7'-4" AFF WHERE SHOWN UNLESS OTHERWISE NOTED.

TOP MOUNTED EXIT LIGHT

E / X1



DETAIL NOTES

1 SURFACE MOUNT UTP DATA JACK ABOVE ACCESSIBLE CEILING.

2 1-GANG DEVICE BOX . SUBSCRIPT "W" INDICATES WALL PHONE PLATE. REFER TO LEGEND FOR M.H.

3 4-11/16" X 4-11/16" X 3.5" DEEP DEVICE BOX WITH W/ SINGLE-GANG PLATE.

4 DOUBLE DUPLEX RECEPTACLE.

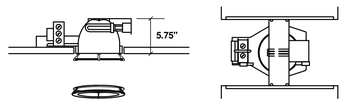
5 UTP DATA / VOICE JACK.

6 DEFAULT OUTLET IS 2 DATA JACKS (2D).

7 RUN TO LOCAL DATA STATION CABLE TERMINATION EQUIPMENT.

8 CATV OUTLET TYPE "F" WITH RG-6 CATV DISTRIBUTION.

1 TYPICAL VOICE/DATA OUTLETS
SCALE: 1/8" = 1'-0"



APPLICATION: OPEN REFLECTOR DOWNLIGHT. MEDIUM DISTRIBUTION.

HOUSING: DIE-STAMPED 16 GUAGE GALVANIZED STEEL HOUSING.

REFLECTOR CLEAR SPECULAR LOW IRIDESCENT ALZAK FINISH.

FINISH ALUMINUM, SEMI-SPECULAR, DIE CAST ALLOY DECORATIVE CLAWS AND GLASS DIFFUSER RING.

BALLAST: HIGH POWER FACTOR, THERMALLY PROTECTED.

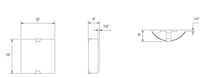
LAMP: HORIZONTALLY MOUNTED, 4-PIN LAMP, ONE 32 WATT COMPACT FLUORESCENT, 4100K, MIN 80 CRI.

VOLTAGE 120/277V.

DIMENSIONS: APPROXIMATELY 6" DIAMETER APERTURE

RECESSED FLUORESCENT DOWNLIGHT

E / N41



DECORATIVE FLUORESCENT WALL SCONCE.

HOUSING: ALUMINUM BACK PLATE, PAINTED OR DIE CAST ALUMINUM TRIM BARS. CURVED PERFORATED FASCIA.

LAMPS: TWO 13W 4 PIN TRIPLE TUBE CFL, MIN CRI OF 80, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.95 BF, 120/277V.

FLUORESCENT WALL SCONCE

E / W2

SPECIFICATION GRADE RECESSED FLUORESCENT LIGHTING TROFFER WITH FLAT LOW-BRIGHTNESS LENS PANEL, NOMINAL 2' X 4' IN SIZE AND APPROXIMATELY 4.25 INCHES DEEP.

HOUSING: DIE FORMED AND EMBOSSED CODE GAUGE STEEL. END CAPS HINGED AND SCREWED TO HOUSING FOR RIGIDITY. DESIGNED FOR INSTALLATION IN CEILING TYPE SHOWN ON ARCHITECTURAL DRAWINGS. INTEGRAL T-BAR CLIPS. HARDWARE FOR MINIMUM 4 POINTS OF SUPPORT. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING.

REFLECTOR: HIGH REFLECTANCE BAKED WHITE ENAMEL AND SPECULAR SILVER INSERT.

FINISH: MULTI-STAGE PHOSPHATE BONDING TREATMENT AND HIGH REFLECTANCE BAKED WHITE ENAMEL.

SHIELDING: 100% PRISMATIC VIRGIN ACRYLIC, PATTERN 12, .125" THICK (NOMINAL). FLUSH DOOR WITH MITRED CORNERS, INCONSPICUOUS CAM ACTION LATCHES.

LAMPS: RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

VARIATIONS:

EF2: TWO LAMP FIXTURE WITH ONE STANDARD BALLAST.

EF2a: TWO LAMP FIXTURE WITH PROGRAMMED RAPID START STEP DIMMING BALLAST.

EF3: THREE LAMP FIXTURE WITH TWO STANDARD BALLASTS WHERE DUAL LEVEL SWITCHING IS SHOWN ON PLANS.

EF4: THREE LAMP WET LOCATION LISTED FIXTURE WITH ALUMINUM FRAME

EF5: 2' x 2' FIXTURE WITH 2-17W T8 LAMPS.

RECESSED FLUORESCENT FIXTURE

E / F_

GENERAL NOTES

1 PICTURES ARE PROVIDED AS A VISUAL AID ONLY.

Revisions	Date

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Drawing Title: LIGHTING FIXTURE DESCRIPTIONS AND DETAILS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330E601
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Department of Veterans Affairs

three inches = one foot

one and one-half inches = one foot

one inch = one foot

three-quarters inch = one foot

one-half inch = one foot

three-eighths inch = one foot

one-quarter inch = one foot

one-eighth inch = one foot

FULLY SPRINKLERED

GENERAL NOTES

A MAINTAIN ALL LIGHTING AND RECEPTACLE CIRCUITS FOR NEW WORK (WHERE INDICATED AND/OR REQUIRED).

B REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES, OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE. ASSOCIATED WORK SHALL BE DONE IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE.

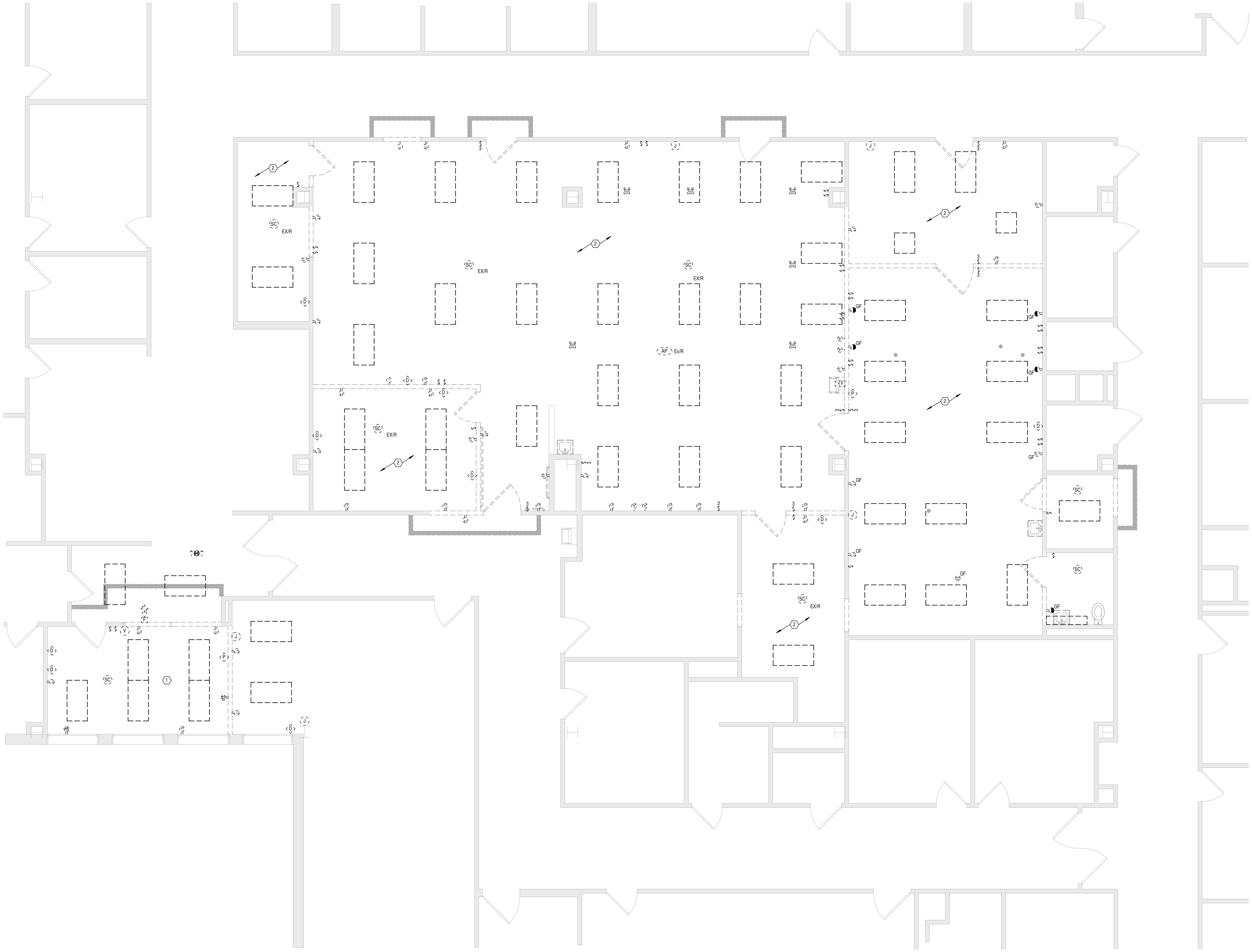
C MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THRU RENOVATED AREAS SERVICING UNDISTURBED AREAS.

D MAINTAIN EXISTING FIRE ALARM DEVICES AS INDICATED FOR RELOCATION UNDER NEW WORK PHASE.

E MAINTAIN EXISTING PAGING CIRCUIT FOR NEW WORK.

⬡ NOTES

1. MAINTAIN EXISTING CIRCUITRY FOR NEW WORK.
2. REMOVE ALL EXISTING CIRCUITRY, HOME RUNS, CONDUITS, ETC. BACK TO SOURCE WITHIN THIS AREA UNLESS OTHERWISE NOTED.



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PROJECT

PARTIAL SECOND FLOOR PLAN - REMOVALS

Scale: 1/4" = 1'-0"

Revisions		Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
Nationally Recognized Leader in Sustainability / LEED
1400 W Dorothy Lane, Dayton OH 45409-1310
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HEAPY PROJECT No.: 2012-04011 FIRM LICENSE No.: 01528

STATE OF OHIO
JOHN A. BLACK
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ARCHITECT/ENGINEERS:

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Drawing Title: PRIMARY FLOOR - REMOVALS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.: VA Project No. 552-13-101; JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330ED101

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Office of Construction and Facilities Management

Department of Veterans Affairs

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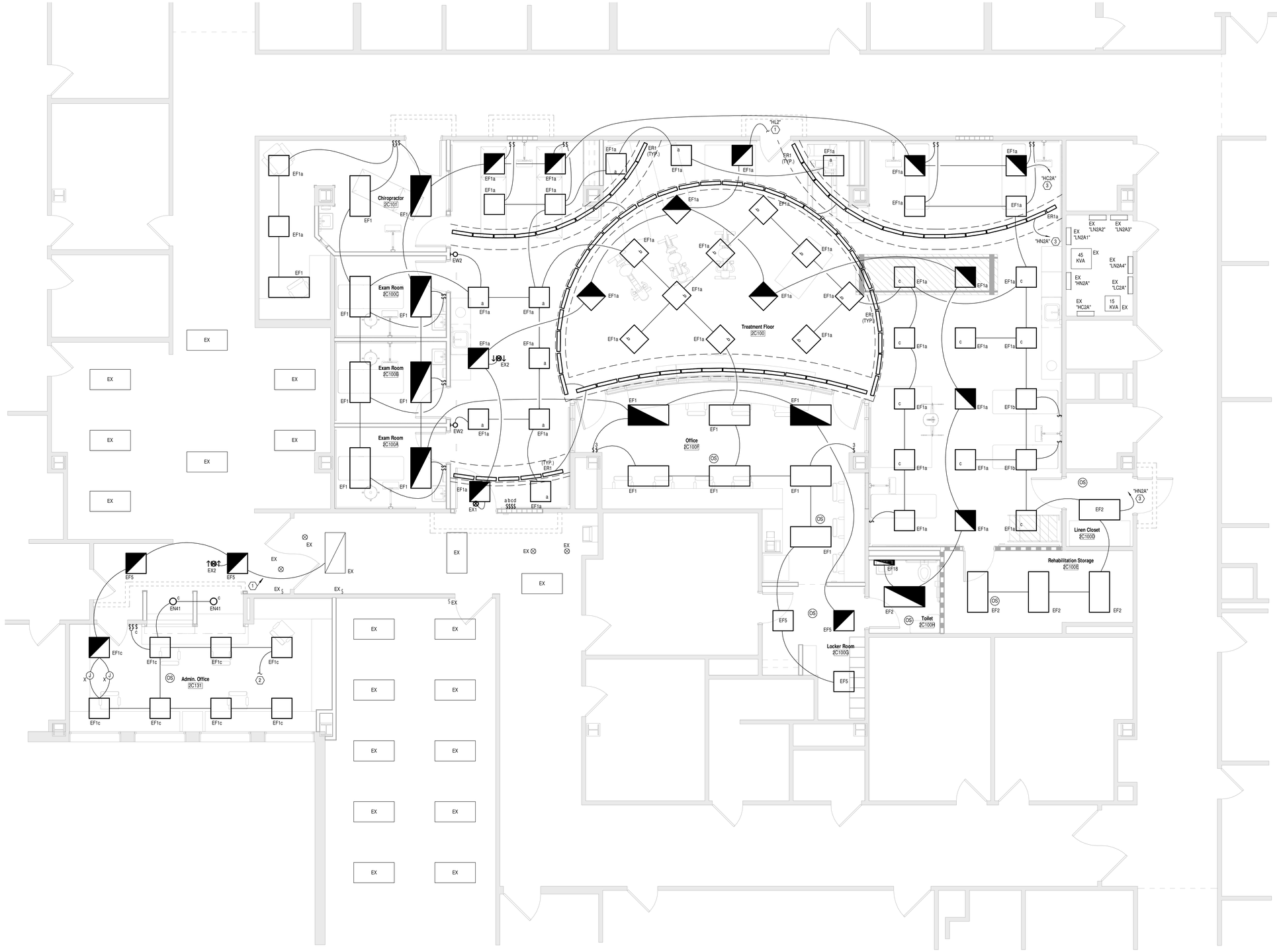
GENERAL NOTES

A. WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN A COMMON ROOM OR CORRIDOR, WIRE SENSORS IN PARALLEL FOR COMMON ZONE CONTROL.
B. WHERE SWITCHES ARE SHOWN IN SPACES CONTROLLED BY OCCUPANCY SENSORS, WIRE SENSOR RELAY PACK AHEAD OF LOCAL SWITCHING. (EXCEPT LIFE SAFETY CIRCUITS).
C. PROVIDE DEDICATED NEUTRAL FOR ALL 120/277V CIRCUITS.
D. COORDINATE ALL LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
E. OCCUPANCY SENSOR MANUFACTURERS SHALL SUBMIT AN 1/8" SCALE FLOOR PLAN SHOWING PROPOSED LAYOUT WITH DEVICES CLEARLY IDENTIFIED DURING SHOP DRAWING REVIEW. OCCUPANCY SENSOR SHOP DRAWING SUBMITTAL MISSING THIS INFORMATION WILL BE REJECTED. REQUEST AutoCAD FLOOR PLANS WELL IN ADVANCE OF SHOP DRAWINGS TO ENSURE REASONABLE TIME OF DELIVERY.
F. COORDINATE OCCUPANCY SENSOR AIMING AND PLACEMENT WITH MANUFACTURER PRIOR TO INSTALLATION.
G. WIRE ALL EXIT SIGNS AHEAD OF LOCAL SWITCHING.
H. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
I. PROVIDE PROGRAMMED RAPID START BALLASTS FOR ALL FLUORESCENT FIXTURES AND SUBMIT BALLAST INFORMATION DURING SHOP DRAWING REVIEW.
J. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND COMMON/SHARED GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
K. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
L. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.
M. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
N. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.
O. LED COVE LIGHTING SHALL BE TYPE "ER1". UNLESS OTHERWISE NOTED, ALL LED COVE LIGHTING SHALL BE ON THE SAME 277V NORMAL POWER CIRCUIT AND SWITCHED TOGETHER FROM SWITCH LEG "d".

NOTES

1. CONNECT TO EXISTING 277V LIFE SAFETY LIGHTING CIRCUIT.
2. CONNECT TO EXISTING 277V NORMAL POWER LIGHTING CIRCUIT MAINTAINED DURING THE DEMOLITION PHASE.
3. UTILIZE SPARE 277V-20A/1P BREAKER IN EXISTING PANEL (AS INDICATED) FOR NEW WORK.



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PROJECT

PARTIAL SECOND FLOOR PLAN - LIGHTING

Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Mechanical Electrical Commissioning Technology
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HEAPY PROJECT No.: 2012-04011 FIRM LICENSE No.: 01528

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Drawing Title: PRIMARY FLOOR - LIGHTING

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

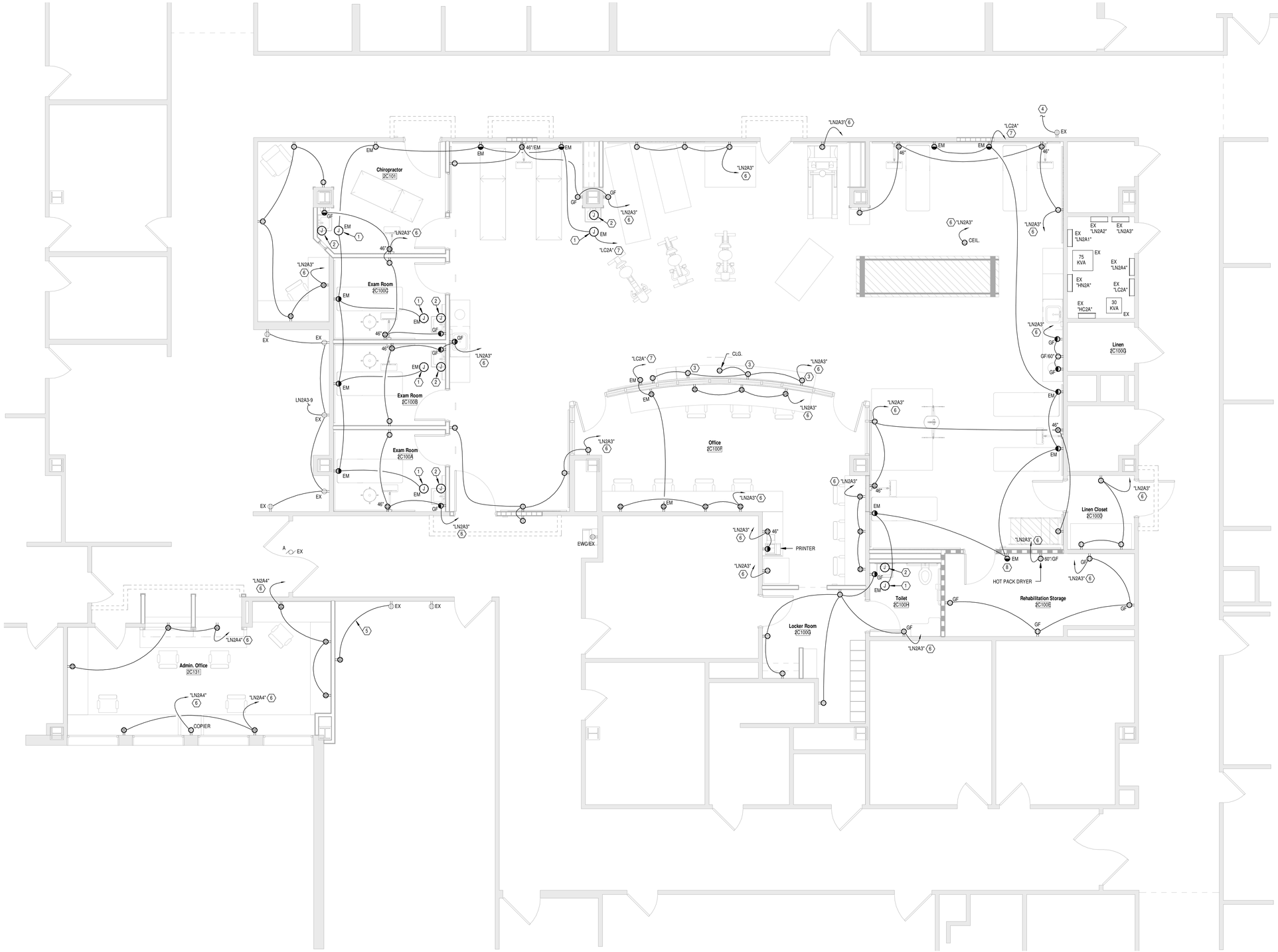
Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330EL101

Dwg. of

Office of Construction and Facilities Management
Department of Veterans Affairs



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GENERAL NOTES

A PROVIDE DEDICATED NEUTRAL FOR ALL 120V-20A CIRCUITS.

B PROVIDE PRINTED LABELS ON ALL RECEPTACLE AND SWITCH OVERPLATES INDICATING PANEL AND CIRCUIT NUMBER.

C CONDUIT SHALL BE 0.75" MINIMUM.

D REFER TO DIVISION 22/ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL PLUMBING EQUIPMENT.

E CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.

F (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.

G MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.

H INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.

I REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.

J REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.

K REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.

GENERAL NOTES

1. LOW VOLTAGE TRANSFORMER ABOVE CEILING FOR SENSOR OPERATED FAUCET PROVIDED BY DIVISION 22.
2. PROVIDE RECESSED SINGLE GANG J-BOX AND 0.75"C. TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING BY DIVISION 22. PROVIDE GROMMETED OPENING FACEPLATE. COORDINATE EXACT LOCATION/M.H. WITH DIVISION 22 PRIOR TO ROUGH-IN.
3. ROTATE BOX/RECEPTACLE 90 DEGREE TO ACCOMMODATE INSTALLATION IN BACK SPLASH.
4. CONNECT TO LOCAL 120V-20A/1P RECEPTACLE CIRCUIT.
5. CONNECT TO EXISTING 120V NORMAL POWER RECEPTACLE CIRCUIT.
6. UTILIZE SPARE 120V-20A/1P BREAKER (FROM INDICATED PANEL) CREATED FROM THE REMOVAL PHASE FOR NEW WORK.
7. PROVIDE NEW 120V-20A/1P BREAKER IN EXISTING WESTINGHOUSE PANEL FOR NEW WORK.
8. LOCATE EXACT RECEPTACLE LOCATION FOR DDC CONTROL PANEL WITH DIVISION 23.

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PROJECT

PARTIAL SECOND FLOOR PLAN - POWER

Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: PRIMARY FLOOR - POWER

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330EP101

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Department of Veterans Affairs

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GENERAL NOTES

A EMT CONDUIT SHALL BE 0.75" MINIMUM.

B CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.

C INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.

D REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.

E REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.

F REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.

NOTES

1. EXISTING SIGNALS CLOSET.
2. EXISTING DATA RACK. RE-USE EXISTING PATCH PANELS AND PROVIDE NEW PATCH PANELS (1-BLUE/1-YELLOW) TO SERVE NEW DATA DROPS.
3. CEILING MOUNTED A/V OUTLET FOR CEILING MOUNTED TV. COORDINATE FINAL LOCATION WITH ARCHITECTURAL PLANS PRIOR TO ROUGH IN.
4. VERIFY EXACT LOCATION OF DATA FOR DDC CONTROL PANEL WITH DIVISION 23.

Chiropractor 2C101

Treatment Floor 2C100

Exam Room 2C100Q

Exam Room 2C100B

Exam Room 2C100A

Office 2C100F

EXISTING ELECTRIC ROOM

60" MH

CEILING MTD.

EX/R

Linen Closet 2C100D

Toilet 2C100H

Rehabilitation Storage 2C100E

Locker Room 2C100G

Admin. Office 2C131

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PROJECT

PARTIAL SECOND FLOOR PLAN - SYSTEMS

Scale: 1/4" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: PRIMARY FLOOR - SIGNALS

Approved: Project Director

Project Title: Renovate Rehab Department B330

Location: Dayton, Ohio

Date: 1/18/2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 552-13-101
JPA Project No. 12010.00

Building Number: 330

Drawing Number: 330ET101

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